cpe italia

OFL CONNECTORS

MADE IN ITALY

RoHS compliant

REACH COMPLIANT

ITAR EAR FREE

STANDARD CONTACT

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Company History and new Targets

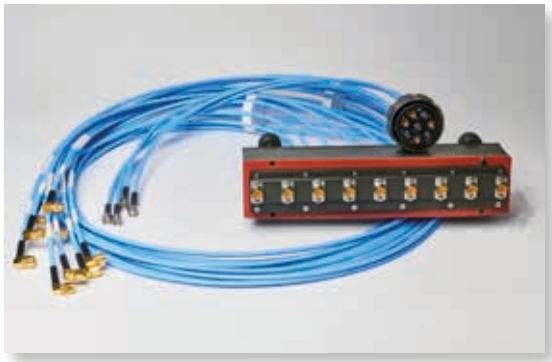
CPE is a family company founded in 1978 and established in Milan, Italy.
The business started as a trading company of connectors and cables, addressing defense and telecommunication.
After a few years of activity, moving from a trading to a manufacturing company was an organic and natural progression, thus pursuing high specialization in harness assembly and connector production.
Since the spirit of CPE ITALIA has always been and always will be to assist the "client ally", constant growth was sustained by the founder of the company by opening new production sites all over the world.
CPE ITALIA is now a Group of about 400 people with production facilities in Brazil, China, Italy, Mexico, Romania, branch offices in North America and India, headquarters in Milan.
With profound knowledge of and years of experience in multiple sectors like Defense, Broadcasting, Communication Infrastructure, Medical, Transportation, Nuclear, Oceanographic Installations, CPE supports its client-focused ideology with the development of solutions tailored to each client's needs.

We like to imagine our behavior and capability results similar to these of the well known "**Tricolor Arrows**" pilot team:

attentive to the rules → guidelines, organization and discipline
total security as top priority → quality
amaze and engage → Innovation and results that exceed customer expectations

cpe italia GROUP

40 YEARS
INSIDE CONNECTIVITY MARKET

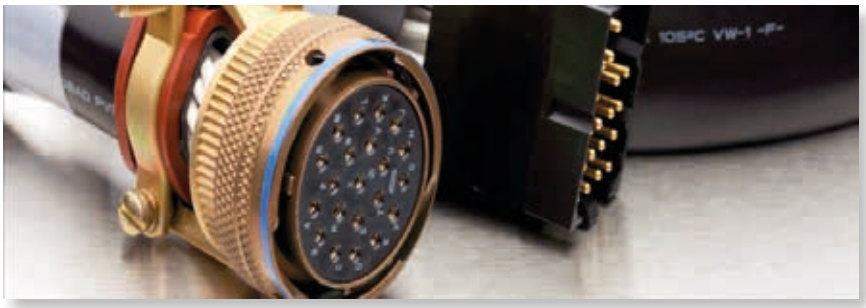


















OFL CONNECTORS series L - K - F

The push-pull connectors of the OFL series provide designers with essential features in the designing/ creation of modern electronic equipment:
- Quick coupling and reliable fastening
- High contact density
- Wide range of contact arrangement
- High coupling cycle
- Wide range of termination styles (crimping, welding, PCB)
- Different classes of environmental protection
- Various materials and surface treatments
- EMC shielding

The push-pull locking mechanism is a quick coupling and uncoupling system that provides a reliable connection against vibrations, impacts or unwanted pulls on the cable.
- The connector is coupled simply by pushing it into the socket.
- Anchor points fit into the socket ensuring a stable connection.
- The connection can't be interrupted by pulling the cable or other parts. The connector, without activating the release mechanism, can't be decoupled
- By pulling the release bushing, the anchor points retract and the connectors can be uncoupled

The OFL series of CPE ITALIA has been designed to meet the requirements of internal and external applications

The connectors find application in:
- Aerospace and defense units
- Medical devices
- Communication systems
- Laboratory and test equipment
- Units for data processing
- Industrial and automation devices

The OFL series allows for choice in connectors, from those with 2 to those with 40 contacts.

The contacts present in these connectors are turned and guarantee more than 5000 mating cycles.

The OFL series connectors are in IP50 but can reach IP68.

CPE Push-Pull connectors meet the requirements of the European Parliament RoHS Directive 2011/65 / EU which specifies the restriction of the use of hazardous substances in electrical equipment distributed in the EU.

HOUSING MATERIAL / SURFACES

Component	Material designation	Surface
Connector plug housing Back nut Decorative slotted mounting nut	Cu-alloy	Cr[1]
Cable collet EMI ring Half-shell Lock washer Nut Retainer Ring	Cu-alloy	Ni
Contact pin (solder/PCB) Contact socket (solder/PCB) Contact pin (crimp) Contact socket 10 pt	Cu-alloy	Au

INSULATOR MATERIALS (COMPLIANT TO ROHS 2011/ /65/EU)

	Unit	PEEK
Dielectric strength	KV/mm	[19]
Operation temperature	°C	-50 / +250
Flammability rating	-	V-0
Comparative tracking index CTI		175

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OFL Key-code series L

	Type of connectors	
1	PLUG / STRAIGHT WITH BACK NUT	**LA**
	PLUG / STRAIGHT WITH BACK NUT FOR CABLE BEND RELIEF	**LB**
	PLUG / BREAK-AWAY WITH BACK NUT	**LC**
	PLUG / BREAK-AWAY WITH BACK NUT FOR CABLE BEND RELIEF	**LD**
	PLUG PANEL / FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING	**LE**
	PLUG PANEL / FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING - IP68 -	**LF**
	PLUG / RIGHT ANGLE WITH BACK NUT	**LG**
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	RECEPTACLE / FRONT MOUNTING	**LK**
	RECEPTACLE / FRONT OR REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT	**LL**
	RECEPTACLE / FRONT OR REAR MOUNTING WITH STRAIN RELIEF	**LM**
	RECEPTACLE / REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT - IP68 -	**LN**
	RECEPTACLE / REAR MOUNTING ROUND NUT - IP68 -	**LO**
	RECEPTACLE / FRONT MOUNTING WITH SHALLOW INSTALLATION DEPTH	**LR**
	RECEPTACLE / REAR MOUNTING WITH ROUND NUT	**LS**
	RECEPTACLE / FRONT MOUNTING - IP68 -	**LT**
	RECEPTACLE / PCB	**LU**
	RECEPTACLE RIGHT-ANGLED PCB CONTACTS / WITHOUT THREAD	**LP**
	RECEPTACLE RIGHT-ANGLED PCB CONTACTS / WITH THREAD	**LQ**

	Number of contacts		
2	00	02	**02**
	00	03	**03**
	00	04	**04**
	0	02	**02**
	0	03	**03**
	0	04	**04**
	0	05	**05**
	0	06	**06**
	0	07	**07**
	0	09	**09**
	0	10	**10**
	0	04 HIGH SPEED DATA TRASMISSION	**A4**
	0	04 HIGH SPEED DATA TRASMISSION	**B4**
	0	04 HIGH SPEED DATA TRASMISSION	**C4**
	0	10 HIGH SPEED DATA TRASMISSION	**AX**
	1	02	**02**
	1	03	**03**
	1	04	**04**
	1	05	**05**
	1	06	**06**
	1	07	**07**
	1	08	**08**
	1	10	**10**
	1	14	**14**
	1	16	**16**
	1	04 HIGH SPEED DATA TRASMISSION	**A4**
	1	08 HIGH SPEED DATA TRASMISSION	**A8**
	2	02	**02**
	2	03	**03**
	2	04	**04**
	2	05	**05**
	2	06	**06**
	2	07	**07**
	2	08	**08**
	2	10	**10**
	2	14	**14**
	2	16	**16**
	2	18	**18**
	2	19	**19**
	2	26	**26**
	2	04 HIGH SPEED DATA TRASMISSION	**A4**
	2	08 HIGH SPEED DATA TRASMISSION	**A8**
	3	03	**03**
	3	04	**04**
	3	07	**07**
	3	08	**08**
	3	10	**10**
	3	14	**14**
	3	16	**16**
	3	18	**18**
	3	20	**20**
	3	22	**22**
	3	26	**26**
	3	30	**30**
	4	07	**07**
	4	30	**30**
	4	40	**40**

3	-

1		2		3	4	5
1	2	3	4	5	6	7
XX		XX		-	X	X

OFL Key-code series L

Size		
4	Size 00	Z
	Size 0	0
	Size 1	1
	Size 2	2
	Size 3	3
	Size 4	4
Type of contact		
5	SOLDER SOCKET	P
	SOLDER PIN	S
	CRIMP SOCKET	D
	CRIMP PIN	T
	PCB SOCKET	U
	PCB PIN	V
Contact cross section & PCB termination diameter		
6	AWG 28/32 (0.09MMQ-0.04MMQ)	A
	AWG 22/26 (0.38MMQ-0.15MMQ)	B
	AWG 20/24 (0.50MMQ-0.25MMQ)	C
	AWG 18/20 (1.00MMQ-0.50MMQ)	E
	AWG 14/18 (1.50MMQ-1.00MMQ)	F
	AWG 28 (0.08MMQ)	G
	AWG 26 (0.15MMQ)	H
	AWG 24 (0.25MMQ)	I
	AWG 22 (0.38MMQ)	J
	AWG 20 (0.50MMQ)	K
	AWG 18 (1.00MMQ)	L
	AWG 14 (1.50MMQ)	M
	AWG 12 (2.50MMQ)	N
	PCB TERMINATION DIAMETER 0.5	O
	PCB TERMINATION DIAMETER 0.7	Q
7	-	
Housing Material		
8	Standard (CU-ALLOY/MATT CHROMATE)	S
	BLACK (CU-ALLOY/BLACK CHROMATE)	B
Cable collet max diameter		
9	WITHOUT CABLE COLLET	00
	0.5>1 MM	XX
	...	XX
	...	XX
	...	XX
	15.00>16.00 MM	16
KEYINGS STANDARD		
10	0°	AAA
	30°	BBB
	45°	CCC
	-45°	DDD
	60°	EEE
	ON REQUEST - INDICATE KEY CORNER WHERE 0° CORNER IS INDICATED BY "RED POINT"	XXX

6	7	8	9		10		
8	9	10	11	12	13	14	15
X	-	X	XX		XXX		

Straight Plug

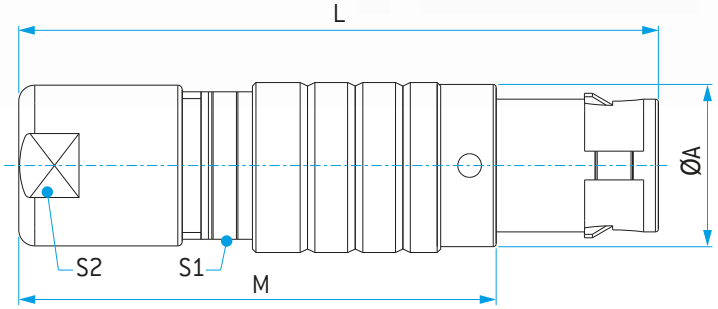
LA - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
LA		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
Z	00	28.5	20.5	6.4	5.5	5.0
0	0	36.0	26.0	9.5	8.0	7.0
1	1	43.0	32.0	12.0	10.0	10.0
2	2	50.0	38.0	15.0	13.0	12.0
3	3	61.0	46.0	17.5	15.0	14.0
4	4	76.0	58.0	25.0	21.0	20.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Straight Plug

LB - IP50
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
LB		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
Z	00	28.5	20.5	6.4	5.5	5.0
0	0	36.0	26.0	9.5	8.0	7.0
1	1	43.0	32.0	12.0	10.0	10.0
2	2	50.0	38.0	15.0	13.0	13.0
3	3	61.0	46.0	17.5	15.0	15.0
4	4	76.0	58.0	25.0	21.0	20.0

STANDARD CONTACT

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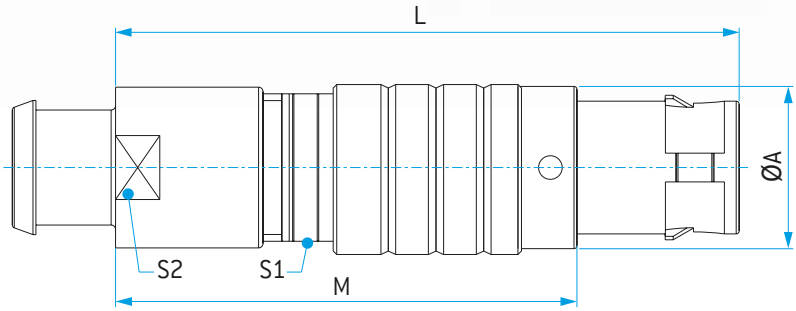

Break-Away

LC - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
LC		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
Z	00	28.0	20.0	6.4	5.5	5.0
0	0	36.0	26.0	9.0	8.0	7.0
1	1	43.0	32.0	11.5	10.0	10.0
2	2	50.0	38.0	14.5	13.0	12.0
3	3	61.0	46.0	17.5	15.0	14.0

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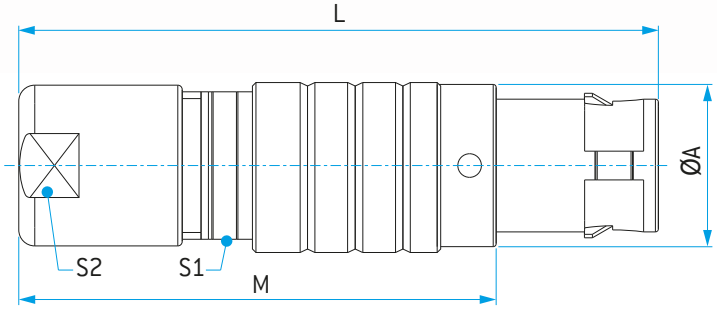

Break-Away

LD - IP50
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
LD		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
Z	00	28.0	20.0	6.4	5.5	5.0
0	0	36.0	26.0	9.0	8.0	7.0
1	1	43.0	32.0	11.5	10.0	10.0
2	2	50.0	38.0	14.5	13.0	13.0
3	3	61.0	46.0	17.5	15.0	15.0

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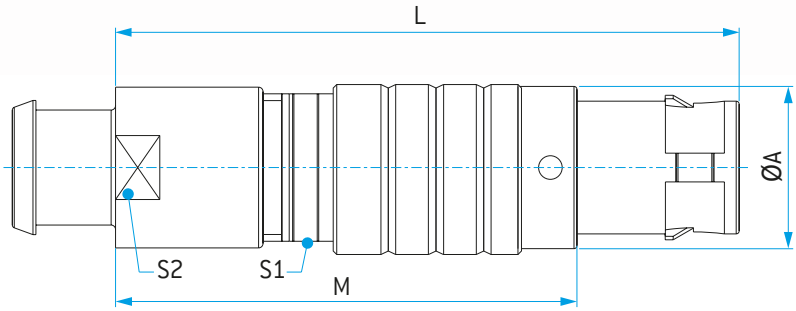


Plug / Panel Mounting

LE - IP50

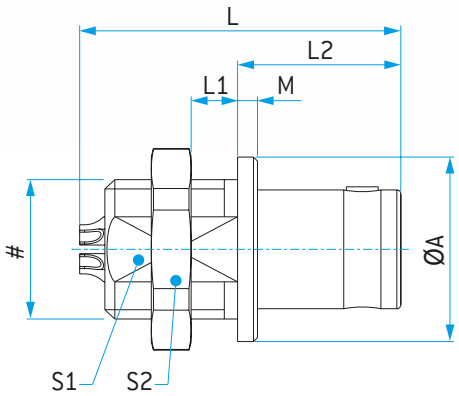
FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING

1	2	3	4	5	6	7	8	9	10
LE		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	M	ø A	S1	S2	#	Panel cut out	
										SW +0.1	ø +0.1
Z	00	17.5	4.5	9.0	1.0	8.0	6.3	9.0	M 7 x 0.5	6.4	7.1
0	0	21.0	3.5	11.2	1.2	10.0	8.2	11.0	M 9 x 0.5	8.3	9.1
1	1	26.2	7.0	12.3	1.5	14.0	10.5	14.0	M 12 x 1.0	10.6	12.1
2	2	27.5	7.0	13.8	1.8	18.0	13.5	17.0	M 15 x 1.0	13.6	15.1
3	3	34.5	9.0	17.0	2.0	22.0	16.5	22.0	M 18 x 1.0	16.6	18.1
4	4	37.1	8.0	20.5	2.5	28.0	23.5	30.0	M 25 x 1.0	23.6	25.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Plug / Panel Mounting

LF - IP68

FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING

1	2	3	4	5	6	7	8	9	10
LF		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	H	ø A	S1	S2	#	Panel cut out	
										SW +0.1	ø +0.1
0	0	23.5	5.5	12.0	2.0	13.0	8.2	11.0	M 9 x 0.5	8.3	9.1
1	1	29.5	8.0	13.3	2.5	17.0	10.5	14.0	12 x 1.0	10.6	12.1
2	2	30.5	7.0	14.8	2.8	19.5	13.5	17.0	15 x 1.0	13.6	15.1
3	3	35.0	7.5	18.0	3.0	24.0	16.5	22.0	18 x 1.0	16.6	18.1

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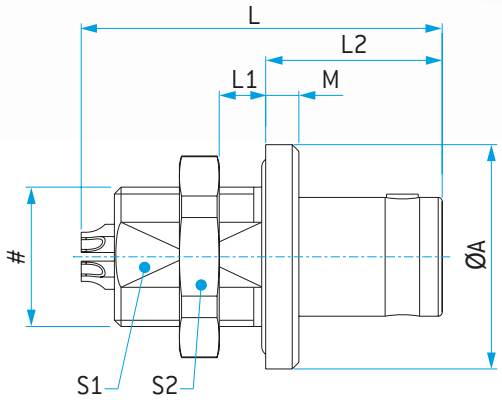


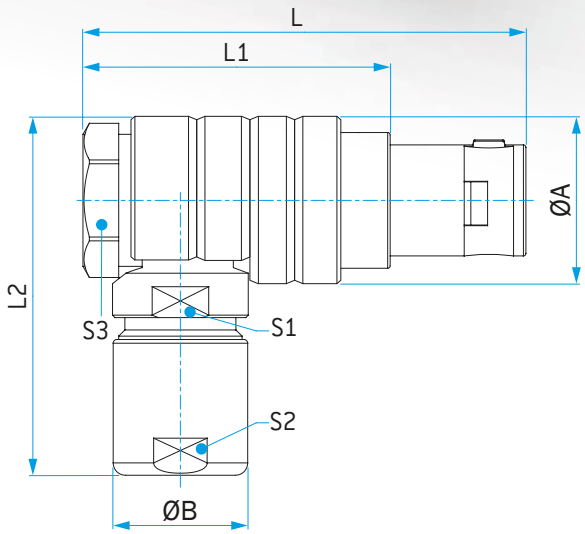
Right-Angled Plug

LG - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
LG		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
Z	00	24.3	16.3	18.5	7.8	6.4	5.5	5.0	7.0
0	0	30.0	20.0	22.5	11.0	9.0	8.0	7.0	9.0
1	1	36.0	25.0	29.0	13.5	11.0	10.0	10.0	11.0
2	2	41.5	29.5	35.0	16.8	14.0	13.0	12.0	14.0
3	3	50.0	35.0	36.5	19.0	16.5	15.0	14.0	17.0
4	4	65.0	47.0	52.0	25.0	23.0	21.0	20.0	22.0

STANDARD CONTACT



- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request

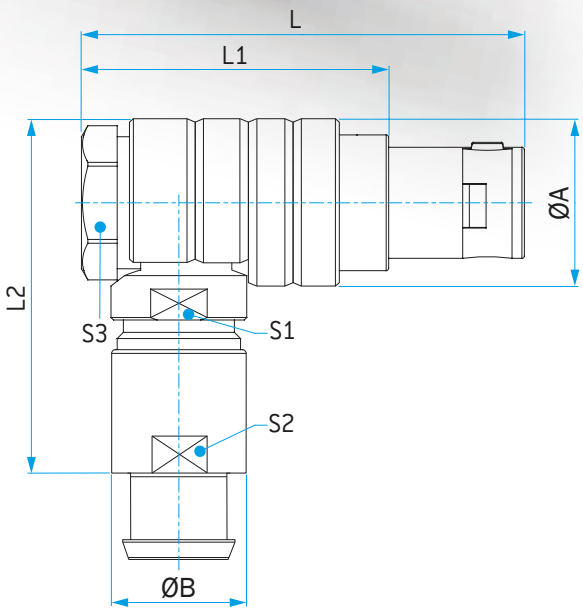
Right-angled Plug

LH - IP50

WITH BACK NUT AND CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
LH		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
Z	00	24.3	16.3	18.5	7.8	6.4	5.5	5.0	7.0
0	0	30.0	20.0	22.5	11.0	9.0	8.0	7.0	9.0
1	1	36.0	25.0	29.0	13.5	11.0	10.0	10.0	11.0
2	2	41.5	29.5	35.0	16.8	14.0	13.0	13.0	14.0
3	3	50.0	35.0	36.5	19.0	16.5	15.0	15.0	17.0
4	4	65.0	47.0	52.0	25.0	23.0	21.0	20.0	22.0



STANDARD CONTACT

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In-Line Receptacle

LI - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
LI		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
Z	00	27.0	6.4	5.5	5.0
0	0	35.0	9.4	8.0	7.0
1	1	41.0	11.5	10.0	10.0
2	2	47.0	14.5	13.0	12.0
3	3	57.0	17.5	16.0	14.0
4	4	74.0	23.5	21.0	20.0

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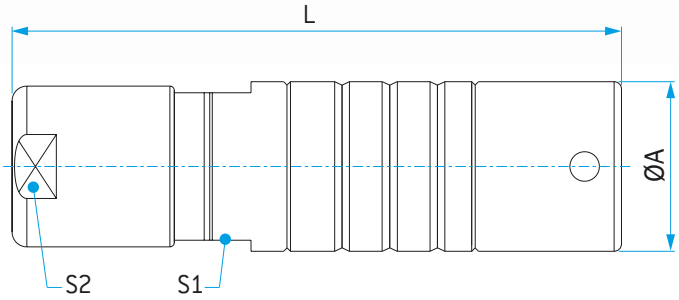

In-Line Receptacle

LJ - IP50
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
LJ		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
Z	00	27.0	6.4	5.5	5.0
0	0	35.0	9.4	8.0	7.0
1	1	41.0	11.5	10.0	10.0
2	2	47.0	14.5	13.0	13.0
3	3	57.0	17.5	16.0	15.0
4	4	74.0	23.5	21.0	20.0

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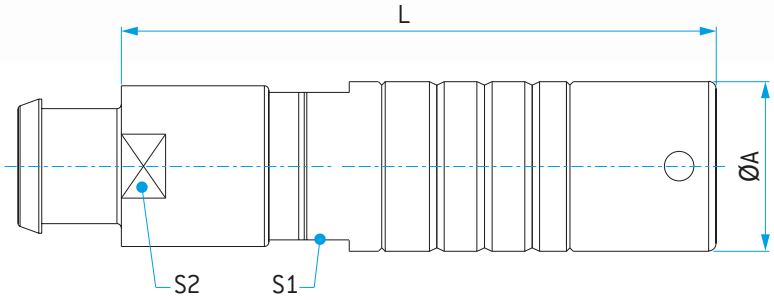

Receptacle

LK - IP50
FRONT MOUNTING

1	2	3	4	5	6	7	8	9	10
LK		-				-			

P/N key	Size	Dimensions in mm								
		L	L1	#	ø A	S1	S2	M	Panel cut out	
									SW +0.1	ø +0.1
Z	00	15.5	6.0	M 7 x 0.5	8.0	6.3	9.0	1.0	6.4	7.1
0	0	20.7	7.0	M 9 x 0.6	10.0	8.2	11.0	1.2	8.3	9.1
1	1	23.0	7.5	M 12 x 1	14.0	10.5	14.0	1.5	10.6	12.1
2	2	26.7	8.5	M 15 x 1	18.0	13.5	17.0	1.8	13.6	15.1

STANDARD CONTACT

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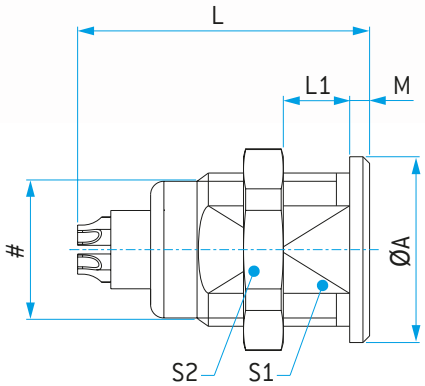


Receptacle

LL - IP50

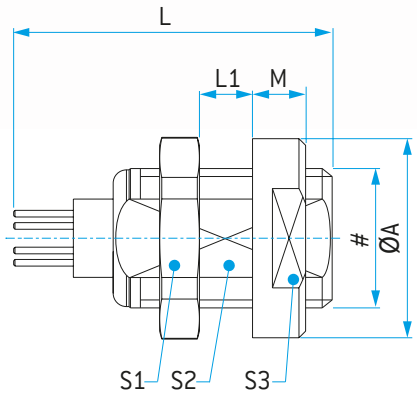
FRONT OR REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT

1	2	3	4	5	6	7	8	9	10
LL		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	#	ø A	S1	S2	S3	M	Panel cut out	
										SW +0.1	ø +0.1
Z	00	16.0	6.0	M 7 x 0.5	9.0	9.0	6.3	8.0	2.0	6.4	7.1
0	0	20.0	8.0	M 9 x 0.5	11.5	11.0	8.2	10.0	2.5	8.3	9.1
1	1	24.0	8.0	M 12 x 1	15.0	14.0	10.5	13.0	4.0	10.6	12.1
2	2	27.0	10.0	M 15 x 1	20.0	17.0	13.5	17.0	3.8	13.6	15.1
3	3	30.5	12.0	M 18 x 1	23.0	22.0	16.5	20.0	5.0	16.6	18.1
4	4	35.0	10.5	M 25 x 1	30.0	30.0	23.5	27.0	4.5	23.6	25.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Receptacle

LM - IP50

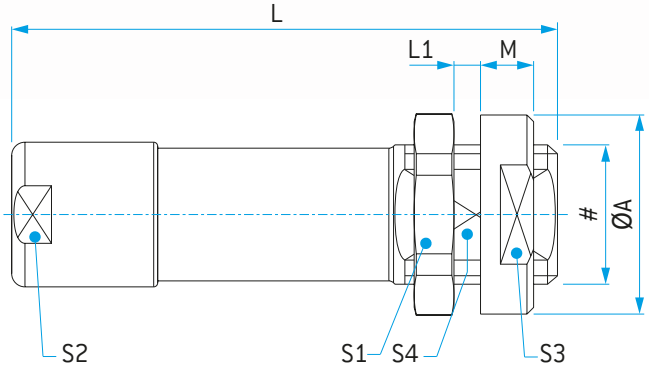
FRONT OR REAR MOUNTING WITH STRAIN RELIEF

1	2	3	4	5	6	7	8	9	10
LM		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	#	ø A	S1	S2	S3	S4	M	Panel cut out	
											SW +0.1	ø +0.1
0	0	35.0	6.0	M 9 x 0.5	11.5	11.0	7.0	10.0	8.2	2.5	8.3	9.1
1	1	41.0	5.0	M 12 x 1	15.0	14.0	10.0	13.0	10.5	4.0	10.6	12.1
2	2	47.0	6.5	M 15 x 1	20.0	17.0	12.0	17.0	13.5	3.8	13.6	15.1
3	3	58.0	9.0	M 18 x 1	23.0	22.0	14.0	20.0	16.5	5.0	16.6	18.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Receptacle

LN - IP68

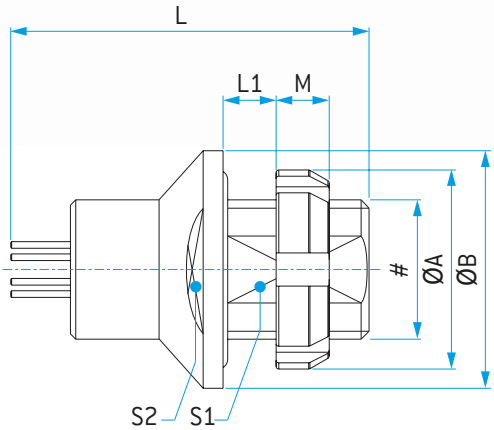
REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT

1	2	3	4	5	6	7	8	9	10
LN		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	#	ø A	ø B	S1	S2	M	Panel cut out	
										SW +0.1	ø +0.1
Z	00	18.2	2.5	M 7 x 0.5	10.0	11.0	6.3	-	2.5	6.4	7.1
0	0	20.2	5.5	M 9 x 0.6	12.0	13.0	8.2	-	2.5	8.3	9.1
1	1	26.6	5.5	M 12 x 1	16.0	18.0	10.5	-	3.5	10.6	12.1
2	2	31.6	5.5	M 15 x 1	20.0	20.0	13.5	15.0	3.5	13.6	15.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



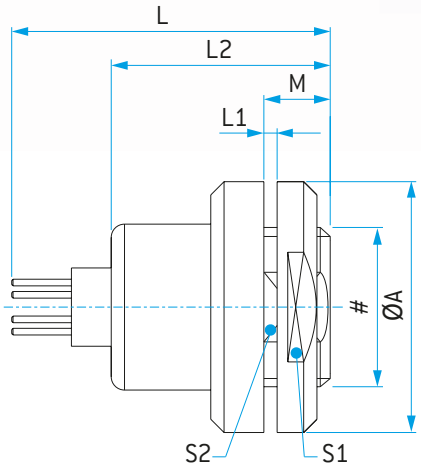
Receptacle

LO - IP68
REAR MOUNTING ROUND NUT

1	2	3	4	5	6	7	8	9	10
LO		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	#	ø A	S1	S2	M	Panel cut out	
										SW +0.1	ø +0.1
1	1	24.0	2.0	16.5	M 14 x 1	19.0	17.0	12.0	5.0	12.1	14.1
2	2	27.0	2.0	18.5	M 16 x 1	22.0	19.0	15.0	5.0	15.1	16.1
3	3	30.5	2.0	23.5	M 20 x 1	27.0	24.0	18.0	6.0	18.1	20.1

STANDARD CONTACT



- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request

Receptacle

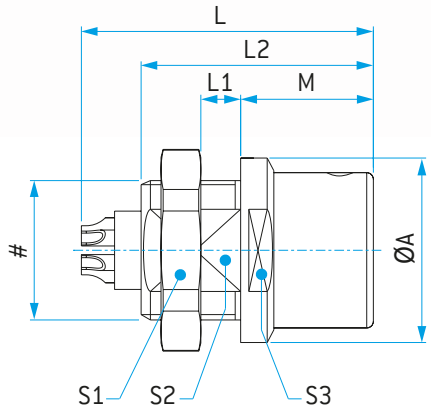
LR - IP50
FRONT MOUNTING WITH SHALLOW INSTALLATION DEPTH

1	2	3	4	5	6	7	8	9	10
LR		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	#	ø A	S1	S2	S3	M	Panel cut out	
											SW +0.1	ø +0.1
Z	00	16.0	2.5	12.5	M 7 x 0.5	9.0	9.0	6.3	8.0	8.0	6.4	7.1
0	0	20.0	4.0	15.0	M 9 x 0.5	11.5	11.0	8.2	10.0	9.0	8.3	9.1
1	1	24.0	4.5	17.5	M 12 x 1	14.0	14.0	10.5	12.0	10.0	10.6	12.1
2	2	27.0	6.0	19.5	M 15 x 1	18.0	17.0	13.5	16.0	11.0	13.6	15.1
3	3	30.5	6.0	22.5	M 18 x 1	22.0	22.0	16.5	-	12.5	16.6	18.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Receptacle

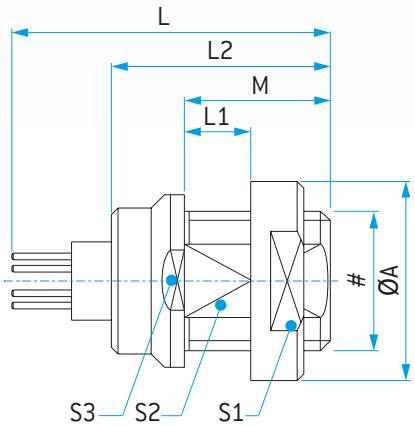
LS - IP50
REAR MOUNTING WITH ROUND NUT

1	2	3	4	5	6	7	8	9	10
LS		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	#	ø A	S1	S2	S3	M	Panel cut out	
											SW +0.1	ø +0.1
0	0	20.0	3.8	14.5	M 9 x 0.5	11.5	10.0	8.2	9.0	6.3	8.3	9.1
1	1	24.0	7.0	16.5	M 12 x 1	15.0	13.0	10.5	13.0	11.0	10.6	12.1
2	2	27.0	5.0	18.5	M 15 x 1	20.0	17.0	13.5	15.0	9.0	13.6	15.1
3	3	30.5	7.0	22.5	M 18 x 1	23.0	20.0	16.5	20.0	12.0	16.6	18.1
4	4	35.0	10.0	27.0	M 25 x 1	30.0	27.0	23.5	27.0	14.5	23.6	25.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Receptacle

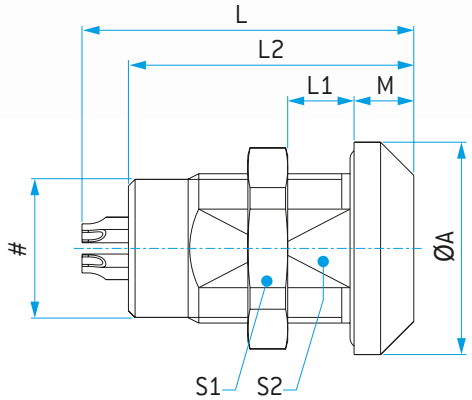
LT - IP68
FRONT MOUNTING

1	2	3	4	5	6	7	8	9	10
LT		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	#	ø A	S1	S2	M	Panel cut out	
										SW +0.1	ø +0.1
00	00	18.0	8.0	14.5	M 7 x 0.5	11.0	9.0	6.3	1.5	6.4	7.1
0	0	22.5	7.5	16.5	M 9 x 0.5	13.0	11.0	8.2	3.0	8.3	9.1
1	1	27.0	9.0	21.5	M 12 x 1	16.0	14.0	10.5	4.5	10.6	12.1
2	2	29.5	8.0	24.5	M 15 x 1	20.0	17.0	13.5	4.0	13.6	15.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Receptacle

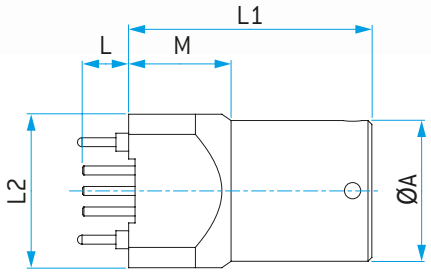
LU - IP50
PCB

1	2	3	4	5	6	7	8	9	10
LU		-				-			

P/N key	Size	Dimensions in mm				
		L	L1	L2	M	ø A
Z	00	2.6	14.0	7.0	7.0	6.8
0	0	4.5	15.0	10.0	8.0	9.0
1	1	3.6	19.0	12.0	8.0	11.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request

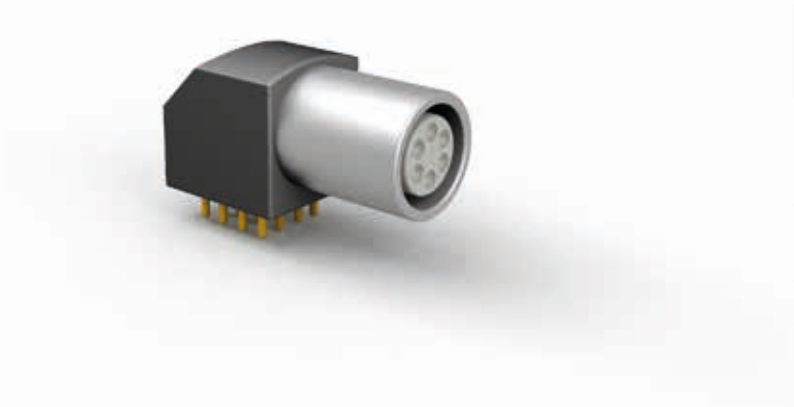


Receptacle right angle PCB contacts

LP - IP50
WITHOUT THREAD

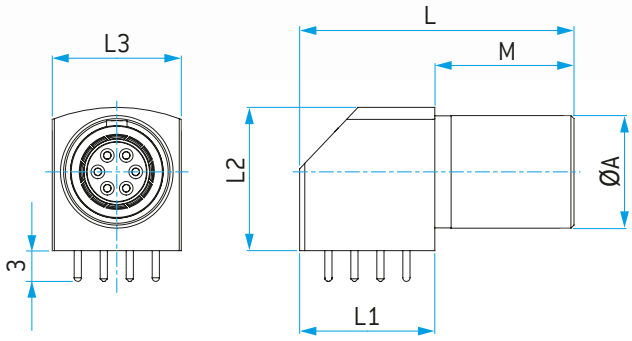
1	2	3	4	5	6	7	8	9	10
LP		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	M	L2	L3	ø A	Max no of contacts	Panel cutout ø
00	00	17.5	7.0	10.5	7.0	7.0	6.8	4	6.9
0	0	24.8	13.2	11.6	12.7	11.6	9.0	7	9.1
1	1	26.8	13.2	13.6	14.0	12.6	11.0	10	11.1



STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Receptacle right angle PCB contacts

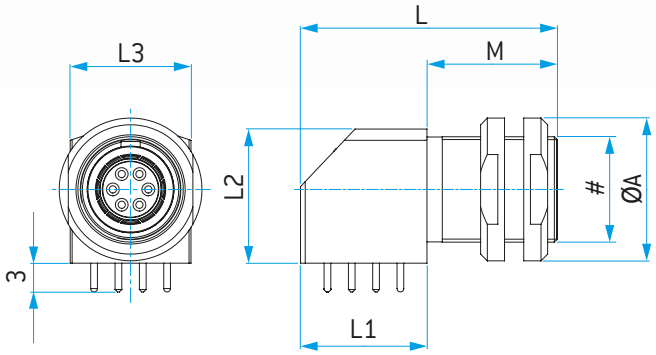
LQ - IP50
WITH THREAD

1	2	3	4	5	6	7	8	9	10
LQ		-				-			

P/N key	Size	Dimensions in mm								
		L	L1	M	L2	L3	#	ø A	Max no of contacts	Panel cutout ø
0	0	24.8	13.2	11.6	12.7	11.6	M 9 x 0.5	11.5	7	9.1
1	1	26.8	13.2	13.6	14.0	12.6	M 11 x 0.5	14.9	10	11.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 31 to 39
- Accessories: see pages 42 to 50
- Cable assembly information available on request



Contact inserts and technical information

2 POSITIONS

1	2	3	4	5	6	7	8	9	10
	02	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
00	Z	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,366	1,1	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
0	0	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,366	1,1	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,366	1,1	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
1	1	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,55	1,65	14
					20	0,5	K	1,1			
		SOLDER PIN	S		18	1,0	L	1,4			
					20	0,5	K	1,1			
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,6	1,8	22
					14	1,5	M	1,85	0,7	2,1	
		SOLDER PIN	S		12	2,5	N	2,4	0,6	1,8	
					14	1,5	M	1,85	0,7	2,1	
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-	0,7	2,1	
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7	0,7	2,1	
		PCB PIN	V								

3 POSITIONS

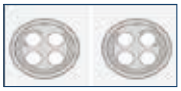
1	2	3	4	5	6	7	8	9	10
	03	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
00	Z	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,366	1,1	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
0	0	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,4	1,2	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,2	0,6	
					22 - 26	0,38 - 0,15	B		0,4	1,2	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,2	0,6	
					22 - 26	0,38 - 0,15	B		0,4	1,2	
		PCB SOCKET	U		-	-	Q	0,7	0,4	1,2	
		PCB PIN	V								
1	1	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,333	1,0	14
					20	0,5	K	1,1	0,5	1,5	
		SOLDER PIN	S		18	1,0	L	1,4	0,333	1,0	
					20	0,5	K	1,1	0,5	1,5	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,333	1,0	
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,8	2,4	17
		SOLDER PIN	S								
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-	0,65	1,95	
					18 - 20	1,0 - 0,5	E		0,8	2,4	
		CRIMP PIN	T		14 - 18	1,5 - 1,0	F	-	0,65	1,95	
					18 - 20	1,0 - 0,5	E		0,8	2,4	
		PCB SOCKET	U		-	-	Q	0,7	0,8	2,4	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,6	1,8	22
					14	1,5	M	1,85			
		SOLDER PIN	S		12	2,5	N	2,4			
					14	1,5	M	1,85			
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

Contact inserts and technical information

4 POSITIONS

1	2	3	4	5	6	7	8	9	10
	04	-				-			



DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,5	1,5	
					22 - 26	0,38 - 0,15	B				
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,6	1,8	14
					20	0,5	K	1,1	0,65	1,95	
		SOLDER PIN	S		18	1,0	L	1,4	0,6	1,8	
					20	0,5	K	1,1	0,65	1,95	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,6	1,8	
					20 - 24	0,5 - 0,25	C		0,65	1,95	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,6	1,8	
					20 - 24	0,5 - 0,25	C		0,65	1,95	
		PCB SOCKET	U		-	-	Q	0,7	0,65	1,95	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,55	1,65	22
					14	1,5	M	1,85			
		SOLDER PIN	S		12	2,5	N	2,4			
					14	1,5	M	1,85			
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	04	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	20	0,5	K	1,1	0,65	1,95	14
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	04	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
		SOLDER PIN	S								
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								

Contact inserts and technical information

5 POSITIONS

1	2	3	4	5	6	7	8	9	10
	05	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,2	0,6	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,2	0,6	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,2	0,6	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,2	0,6	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,5	1,5	14
					20	0,5	K	1,1	0,6	1,8	
		SOLDER PIN	S		18	1,0	L	1,4	0,5	1,5	
					20	0,5	K	1,1	0,6	1,8	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,5	1,5	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,5	1,5	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		PCB SOCKET	U		-	-	Q	0,7	0,6	1,8	
		PCB PIN	V								

6 POSITIONS

1	2	3	4	5	6	7	8	9	10
	06	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	J	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,65	0,4	1,2	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,65	0,4	1,2	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	14
					20	0,5	K	1,1	0,5	1,5	
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	
					20	0,5	K	1,1	0,5	1,5	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,5	1,5	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,5	1,5	
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								

Contact inserts and technical information

1	2	3	4	5	6	7	8	9	10
	07	-				-			

7 POSITIONS

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	J	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,65	0,4	1,2	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,65	0,4	1,2	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	14
					20	0,5	K	1,1	0,6	1,8	
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	
					20	0,5	K	1,1	0,6	1,8	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		PCB SOCKET	U		-	-	Q	0,7	0,6	1,8	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,6	1,8	17
		SOLDER PIN	S								
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-	0,45	1,35	
					18 - 20	1,0 - 0,5	E		0,6	1,8	
		CRIMP PIN	T		14 - 18	1,5 - 1,0	F	-	0,45	1,35	
					18 - 20	1,0 - 0,5	E		0,6	1,8	
		PCB SOCKET	U		-	-	Q	0,7	0,6	1,8	
		PCB PIN	V								
4	4	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,45	1,35	22
					14	1,5	M	1,85	0,55	1,65	
		SOLDER PIN	S		12	2,5	N	2,4	0,45	1,35	
					14	1,5	M	1,85	0,55	1,65	
		PCB SOCKET	U		-	-	Q	0,7	0,55	1,65	
		PCB PIN	V								

Contact inserts and technical information

8 POSITIONS

1	2	3	4	5	6	7	8	9	10
	08	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,65	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,65	0,333	1,0	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,5	1,5	10
					22	0,38	J	0,85			
		SOLDER PIN	S		20	0,5	K	1,1			
					22	0,38	J	0,85			
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-			
					22 - 26	0,38 - 0,15	B				
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-			
					22 - 26	0,38 - 0,15	B				
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,45	1,35	14
					20	0,5	K	1,1	0,55	1,65	
		SOLDER PIN	S		18	1,0	L	1,4	0,45	1,35	
					20	0,5	K	1,1	0,55	1,65	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,45	1,35	
					20 - 24	0,5 - 0,25	C		0,55	1,65	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,45	1,35	
					20 - 24	0,5 - 0,25	C		0,55	1,65	
		PCB SOCKET	U		-	-	Q	0,7	0,55	1,65	
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	08	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	26	0,15	H	0,65	0,333	1,0	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

9 POSITIONS

1	2	3	4	5	6	7	8	9	10
	09	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,2	0,6	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								

Contact inserts and technical information

10 POSITIONS

1	2	3	4	5	6	7	8	9	10
	10	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,2	0,6	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,5	26	0,15	H	0,65	0,2	0,6	5
					28	0,08	G	0,45	0,333	1,0	
		SOLDER PIN	S		26	0,15	H	0,65	0,2	0,6	
					28	0,08	G	0,45	0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,3	0,9	10
					22	0,38	J	0,85	0,5	1,5	
		SOLDER PIN	S		20	0,5	K	1,1	0,3	0,9	
					22	0,38	J	0,85	0,5	1,5	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,3	0,9	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,3	0,9	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	14
					20	0,5	K	1,1	0,45	1,35	
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	
					20	0,5	K	1,1	0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	10	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	4x(0,5) + 6x(0,3)	24	0,25	I	0,7	0,2	0,6	5
					28	0,08	G	0,45			
		SOLDER PIN	S		24	0,25	I	0,7			
					28	0,08	G	0,45			

12 POSITIONS

1	2	3	4	5	6	7	8	9	10
	12	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,4	1,2	7
					26	0,15	H	0,6	0,45	1,35	
		SOLDER PIN	S		22	0,38	J	0,85	0,4	1,2	
					26	0,15	H	0,6	0,45	1,35	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,4	1,2	
					28 - 32	0,09 - 0,04	A		0,45	1,35	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,4	1,2	
					28 - 32	0,09 - 0,04	A		0,45	1,35	
		PCB SOCKET	U		-	-	O	0,5	0,45	1,35	
		PCB PIN	V								

Contact inserts and technical information

14 POSITIONS

1	2	3	4	5	6	7	8	9	10
	14	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	28	0,08	G	0,45	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,366	1,1	7
					26	0,15	H	0,6	0,4	1,2	
		SOLDER PIN	S		22	0,38	J	0,85	0,366	1,1	
					26	0,15	H	0,6	0,4	1,2	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,366	1,1	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,366	1,1	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

16 POSITIONS

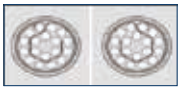
1	2	3	4	5	6	7	8	9	10
	16	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	28	0,08	G	0,45	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

Contact inserts and technical information

18 POSITIONS

1	2	3	4	5	6	7	8	9	10
	18	-				-			



DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

19 POSITIONS

1	2	3	4	5	6	7	8	9	10
	19	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								

20 POSITIONS

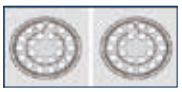
1	2	3	4	5	6	7	8	9	10
	20	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								

Contact inserts and technical information

22 POSITIONS

1	2	3	4	5	6	7	8	9	10
	22	-				-			



DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								

26 POSITIONS

1	2	3	4	5	6	7	8	9	10
	26	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								

30 POSITIONS

1	2	3	4	5	6	7	8	9	10
	30	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
4	4	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,52	1,57	10
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

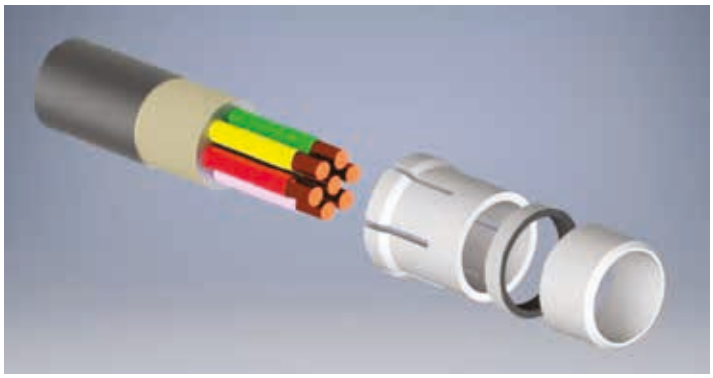
40 POSITIONS

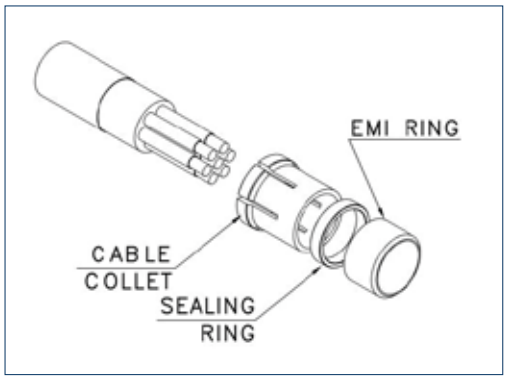
1	2	3	4	5	6	7	8	9	10
	40	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
4	4	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								

CABLE COLLET SYSTEM

Cable collet for strain relief; EMI Shielding Ring





1	2	3	4	5	6	7	8	9	10
		-				-			

P/N key		Cable diameter mm	Size 00	0	1	2	3	4
1	0	0.5 - 1	•					
1	5	1 - 1.5	•					
2	0	1.5 - 2	•					
2	2	1.5 - 2.2		•	•			
2	5	2 - 2.5	•					
3	0	2.5 - 3	•					
3	2	2 - 3.2		•	•	•		
3	5	3 - 3.5	○					
4	2	3 - 4.2		•	•	•	•	
5	2	4 - 5.2		○	•	•	•	
5	6	5 - 5.6		○				
6	2	5 - 6.2			•	•	•	•
7	2	6 - 7.2			○	•	•	•
7	7	7 - 7.7			○			
8	0	7 - 8						•
8	2	7 - 8.2				•	•	
9	2	8 - 9.2				○	•	•
9	9	9 - 9.9				X		
0	2	9 - 10.2					•	
0	5	9.1 - 10.5						•
1	1	10 - 11						•
1	2	10 - 11.2					○	
1	9	11 - 11.9					X	•
1	3	12 - 13						•
1	4	13 - 14						○
1	5	14 - 15						○
1	6	15 - 16						○
0	0	without cable collet system (on request)						

○ It may occur that the cable collet does not entirely envelope the cable

X Not recommended for cable bending applications and it may happen that the cable clamp does not completely wrap the cable.

Standard Coding Keys

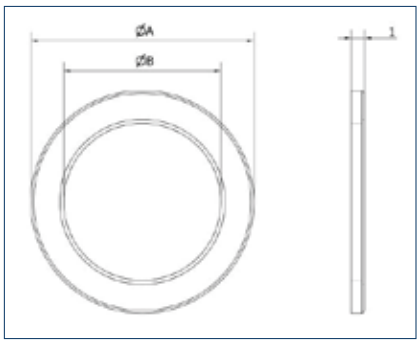
1	2	3	4	5	6	7	8	9	10
		-				-			

P/N key	Angle	Connector Front View	Size					
			00	0	1	2	3	4
AAA	0°		•	•	•	•	•	•
BBB	30°		•	•	•	•	•	○
CCC	45°					•	•	○
DDD	-45°		•	•	•			
EEE	60°		•	•	•	•	•	○

- • Standard
- ○ On request.

Accessories

COLOR CODING RINGS: CONDUCTIVE MOUNTING



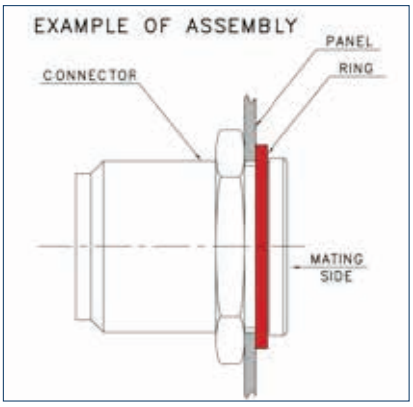
Material: Plastic PA66.

Table1: CPE Code Table			
Thread	**P/N key**	**Ø A mm**	**Ø B mm**
M7	**LCM07xx**	11	7.1
M9	**LCM09xx**	13.5	9.1
M12	**LCM12xx**	17	12.1
M14	**LCM14xx**	20	14.1
M15	**LCM15xx**	22	15.1
M16	**LCM16xx**	23	16.1
M18	**LCM18xx**	25	18.1
M20	**LCM20xx**	28	20.1

xx is the Color Code from Table2 (Color Code Table)

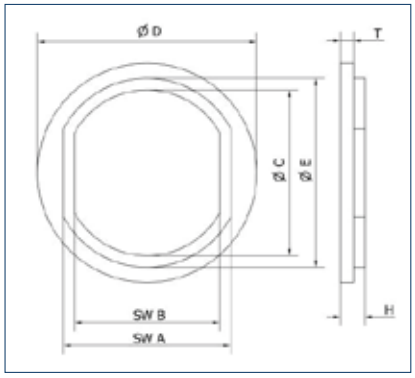
Example: LCM09RD – COLOUR CODING RING CONDUCTIVE MOUNTING M9 Red

Table2: Color Code Table		
Color code	**Color**	**RAL no. (similar)**
RD	Red	3020
WE	White	9010
YW	Yellow	1016
GN	Green	6029
BE	Blue	5002
GY	Grey	7005
BK	Black	9005



Accessories

COLOR CODING RINGS: INSULATED MOUNTING



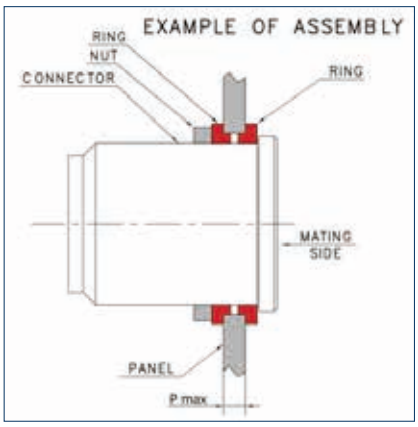
Material: Plastic PA66.

Table1: CPE Code Table									
Thread	P/N key	SW A	SW B	Ø C mm	Ø D mm	Ø E mm	H mm	T mm	P max. mm
M7	**LIM07xx**	8	6.4	7.1	10	8.8	1.8	1	4
M9	**LIM09xx**	9.9	8.3	9.1	12	10.8	1.8	1	6
M12	**LIM12xx**	12.2	10.6	12.1	16	13.8	1.8	1	6
M14	**LIM14xx**	13.7	12.1	14.1	21	15.8	1.8	1	2
M15	**LIM15xx**	16.2	13.6	15.1	21	17.8	2.2	1.2	7.5
M16	**LIM16xx**	17.7	15.1	16.1	23	18.8	2.2	1.2	0.6
M18	**LIM18xx**	20.2	16.6	18.2	25	21.8	2.2	1.2	10.5
M20	**LIM20xx**	21.7	18.1	20.2	28	23.8	2.2	1.2	3.5
M25	**LIM25xx**	27.2	23.7	25.2	32	28.8	2.5	1.5	10

xx is the Color Code from Table2 (Color Code Table)

Example: LCM09RD – COLOUR CODING RING CONDUCTIVE MOUNTING M9 Red

Table2: Color Code Table		
Color Code	Color	RAL no.(similar)
RD	Red	3020
WE	White	9010
YW	Yellow	1016
GN	Green	6029
BE	Blue	5002
GY	Grey	7005
BK	Black	9005



Accessories

HINGED COVERS

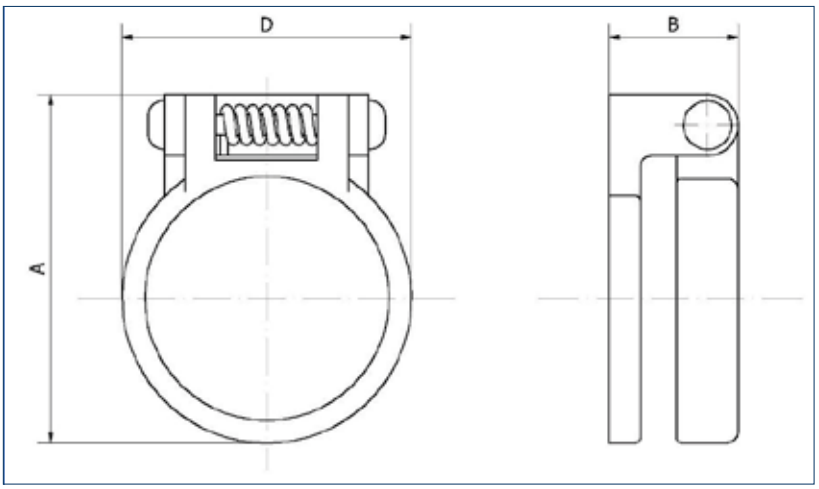


Table1: CPE Code Table				
Thread	P/N key	A mm	B mm	Ø D mm
0	**HCS0**	13.3	5.5	11
1	**HCS1**	17.1	6.3	14.2
2	**HCS2**	22.4	8.2	18.5
3	**HCS3**	26.5	8.2	22.5

Example: HCS0 – HINGED COVER SIZE 0

Accessories

PROTECTIVE COVERS FOR RECEPTACLES (IP50)

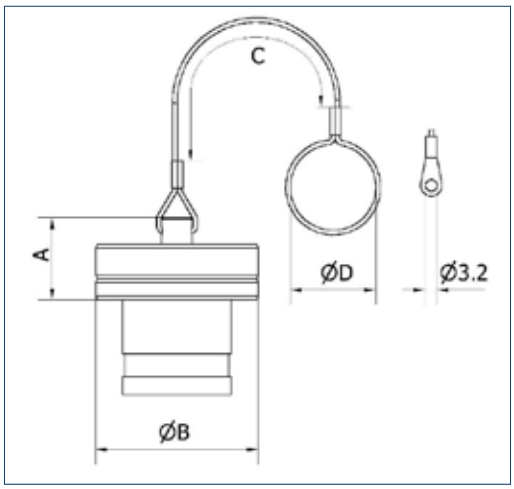


Table1: CPE Code Table					
Size	P/N key	A mm	B mm	C mm	Ø D mm
0	**CVLR0x**	10.5	10	70	8
1	**CVLR1x**	12.5	12	75	13
2	**CVLR2x**	14.85	15	85	13
3	**CVLR3x**	16.6	18	100	16
4	**CVLR4x**	16.9	25	110	19.5

Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

x is the Code from Table2 (Lanyard Material Code Table)

Example: CVLR0A – PROTECTIVE COVER FOR SIZE 0 RECEPTACLE WITH POLYAMIDE LANYARD AND LOOP

Accessories

PROTECTIVE COVERS FOR PLUG (IP50)

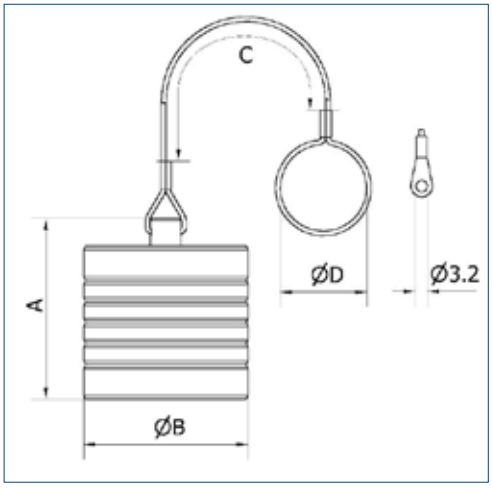


Table1: CPE Code Table					
Size	P/N key	A mm	Ø B mm	C mm	Ø D mm
0	**CVLP0xy**	15.5	10	70	8
1	**CVLP1xy**	16.5	12	75	10
2	**CVLP2xy**	18	15	85	13
3	**CVLP3xy**	20.5	18	100	16

x is the Code from Table2 (Lanyard Material Code Table)
y is the Keying from Table3 (Keying Table)

Example: CVLP0A0 – PROTECTIVE COVER FOR SIZE 0 PLUG WITH POLYAMIDE LANYARD AND LOOP

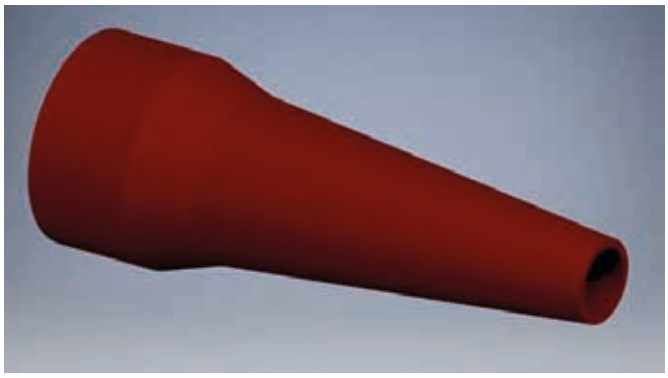
Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

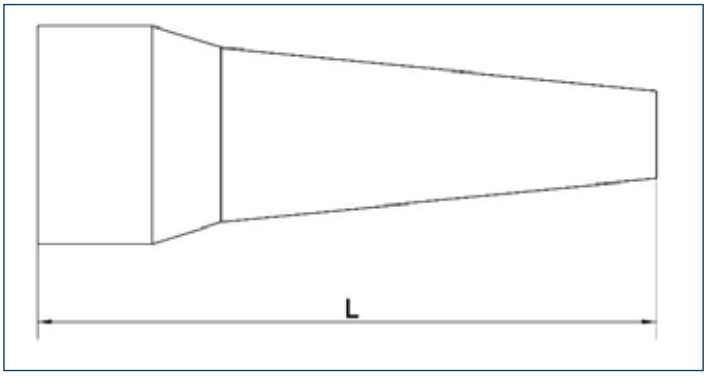
Table3: Keying Table											
Size	0	A	B	C	F	J	K	Q	V	W	Y
0	•	•		•	•	○			○	○	○
1	•	•		•	•	○			○	○	○
2	•	•	○	•	•		○	○		○	
3	•	•	○	•	•		○	○		○	

• Default
○ on request

Accessories

SILICONE CABLE BEND RELIEFS





TEMPERATURE RANGE SILICONE: – 50 °C up to +200 °C, short-term up to +230 °C Autoclavable

Table1: CPE Code Table

SIZE	P/N key	L mm	Cable jacket (outside Ø) min.	Cable jacket (outside Ø) max.
00	**SCBRZD05xx**	19	0.5	1.5
	SCBRZD15xx		1.5	2.5
	SCBRZD25xx		2.5	3.5
0	**SCBR0D20xx**	27	2	2.5
	SCBR0D25xx		2.5	3
	SCBR0D30xx		3	3.5
	SCBR0D35xx		3.5	4
	SCBR0D40xx		4	4.5
	SCBR0D45xx		4.5	5
1	**SCBR1D25xx**	30	2.5	3
	SCBR1D30xx		3	3.5
	SCBR1D35xx		3.5	4
	SCBR1D40xx		4	5
	SCBR1D50xx		5	6
	SCBR1D60xx		6	6.5
	SCBR1D65xx		6.5	7.5
2	**SCBR2D25xx**	36	2.5	3
	SCBR2D30xx		3	3.5
	SCBR2D35xx		3.5	4
	SCBR2D40xx		4	5
	SCBR2D50xx		5	6
	SCBR2D60xx		6	7
	SCBR2D70xx		7	8
	SCBR2D80xx		8	9
3	**SCBR3D40xx**	42	4	5
	SCBR3D50xx		5	6
	SCBR3D60xx		6	7
	SCBR3D70xx		7	8
	SCBR3D80xx		8	9
	SCBR3D90xx		9	10
	SCBR3D100xx		10	11
	SCBR3D110xx		11	12
4	**SCBR4D80xx**	60	8	10
	SCBR4D100xx		10	12
	SCBR4D120xx		12	14
	SCBR4D140xx		14	16

Table2: Color Code Table

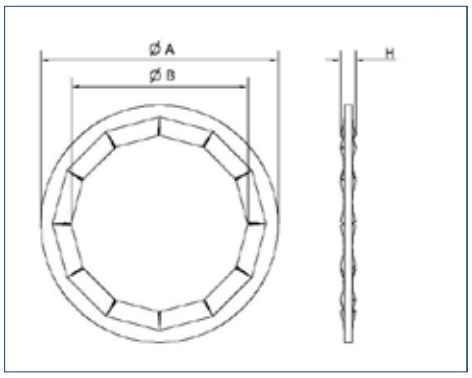
Color Code	Color	RAL no. (similar)
RD	Red	3020
WE	White	9010
YW	Yellow	1016
GN	Green	6029
BE	Blue	5002
GY	Grey	7005
BK	Black	9005

xx is the Color Code from Table2 (Color Code Table)

Example: SCBR0D20RD – SILICONE CABLE BEND RELIEF SIZE 0 (CABLE D. 2-2.5mm) Red

Accessories

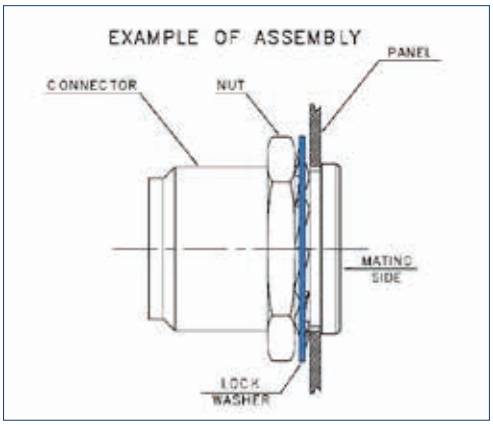
LOCK WASHERS



Nickel-plated surface

Table1: CPE Code Table

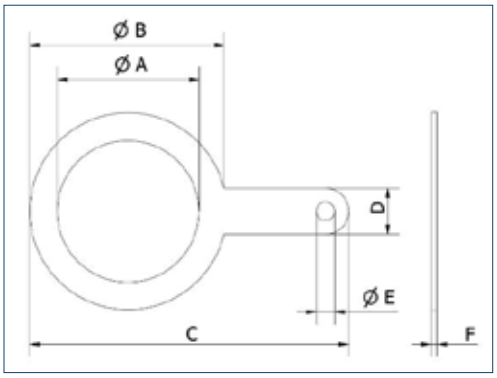
Thread	P/N key	Ø A mm	Ø B mm	H mm
M7	**LW07**	9.5	7.1	1
M9	**LW09**	12.5	9.1	1
M12	**LW12**	16	12.1	1.1
M14	**LW14**	19.5	14.2	1.1
M15	**LW15**	19.5	15.1	1.1
M16	**LW16**	21.5	16.1	1.1
M18	**LW18**	25	18.1	1.1
M20	**LW20**	25	20.1	1.1
M25	**LW25**	32	25.1	1.4



Example: LW09 – LOCK WASHER M9

Accessories

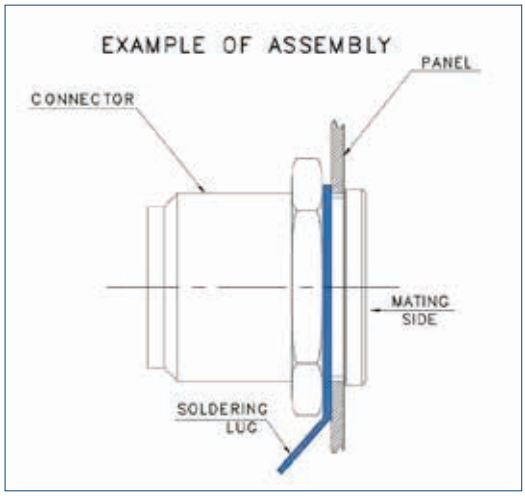
SOLDERING LUGS



Silver-plated surface

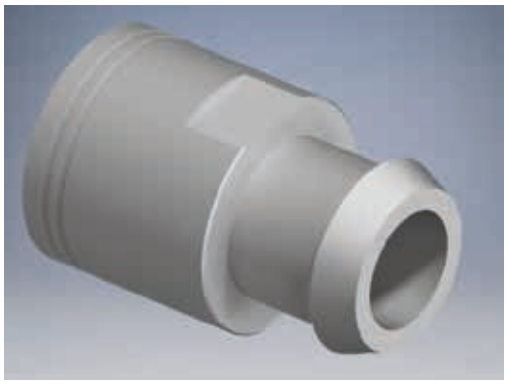
Table1: CPE Code Table							
Thread	P/N key	Ø A mm	Ø B mm	C mm	D mm	Ø E mm	F mm
M7	**SOL07**	7.4	10	17	4	1.8	0.3
M9	**SOL09**	9.7	13.2	21.6	4	1.6	0.5
M12	**SOL12**	12.2	17	27.5	4	1.6	0.5
M14	**SOL14**	14.1	18	27	4	2	0.5
M15	**SOL15**	15.2	20	32	4	1.6	0.5
M16	**SOL16**	16.2	20	32	4	1.6	0.5
M18	**SOL18**	18.2	25	39	4	1.6	0.5
M20	**SOL20**	20.2	25	39	4	1.6	0.5
M25	**SOL25**	25.6	35	51	5	2.1	0.6

Example: SOL09 – SOLDERING LUG M9



Accessories

BACK NUTS FOR CABLE BEND RELIEFS



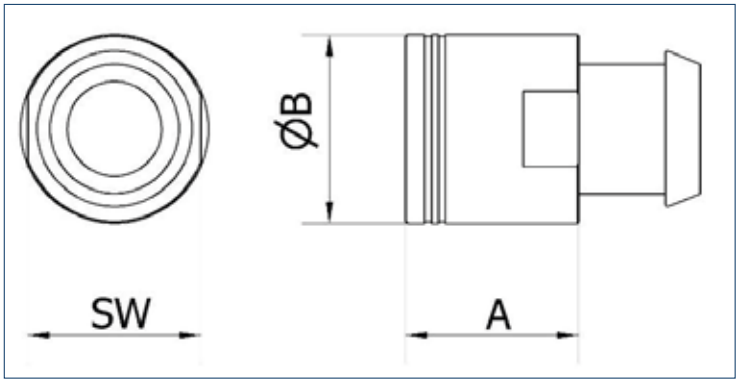


Table1: CPE Code Table				
Size	P/N key	Ø A mm	Ø B mm	SW mm
00	**BCBRZx**	6	6.4	5
0	**BCBR0x**	8	8.9	7
1	**BCBR1x**	10	10.9	10
2	**BCBR2x**	11.5	13.9	13
3	**BCBR3x**	11.5	16.9	15
4	**BCBR4x**	15.5	23	20

Table2: Surface Plating Table	
Code	Surface Plating
S	Cu-alloy / matt chrome plated
B	Cu-alloy / black chrome plated
N	Cu-alloy / nickel

x is the Code from Table2 (Surface Plating Table)

Example: BCBR0S – BACK NUT FOR CABLE BEND RELIEF MATT CHROME PLATED

TABLE OF CONTENTS:

OFL Key-code series K

	Type of connectors		
1	PLUG / STRAIGHT WITH BACK NUT - IP68 -		KA
	PLUG / STRAIGHT WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -		KB
	PLUG / BREAK-AWAY WITH BACK NUT - IP68 -		KC
	PLUG / BREAK-AWAY WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -		KD
	PLUG PANEL / FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING - IP68 -		KE
	PLUG / RIGHT ANGLE WITH BACK NUT - IP68 -		KG
	PLUG / RIGHT ANGLE WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -		KH
	IN-LINE RECEPTACLE / WITH BACK NUT - IP68 -		KI
	IN-LINE RECEPTACLE / WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -		KJ
	RECEPTACLE / FRONT MOUNTING - IP68 -		KK
	RECEPTACLE / REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT - IP68 -		KN
	RECEPTACLE / FRONT MOUNTING WITH SHALLOW INSTALLATION DEPTH - IP68 -		KR
	RECEPTACLE / REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH AND PROPRIETARY JAM NUT - IP68 -		KS
	RECEPTACLE / FRONT MOUNTING - IP68 -		KT
	RECEPTACLE RIGHT-ANGLE PCB CONTACTS / REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH TYPE "KS" - IP68 -		KW
	RECEPTACLE RIGHT-ANGLE PCB CONTACTS / REAR MOUNTING WITH INCREASED INSTALLATION DEPTH TYPE "KN" - IP68 -		KX
	Number of contacts		
2	00	02	02
	00	03	03
	00	04	04
	0	05	05
	0	06	06
	0	07	07
	0	09	09
	0	10	10
	0	04 HIGH SPEED DATA TRANSMISSION	A4
	0	04 HIGH SPEED DATA TRANSMISSION	B4
	0	04 HIGH SPEED DATA TRANSMISSION	C4
	1	02	02
	1	03	03
	1	04	04
	1	05	05
	1	06	06
	1	07	07
	1	08	08
	1	10	10
	1	14	14
	1	16	16
	1	04 HIGH SPEED DATA TRANSMISSION	A4
	1	08 HIGH SPEED DATA TRANSMISSION	A8
	2	02	02
	2	03	03
	2	04	04
	2	05	05
	2	06	06
	2	07	07
	2	08	08
	2	10	10
	2	12	12
	2	14	14
	2	16	16
	2	18	18
	2	19	19
	2	26	26
	2	04 HIGH SPEED DATA TRANSMISSION	A4
	2	08 HIGH SPEED DATA TRANSMISSION	A8
	3	03	03
	3	04	04
	3	07	07
	3	08	08
	3	10	10
	3	14	14
	3	16	16
	3	18	18
	3	20	20
	3	22	22
	3	26	26
	3	30	30
	4	07	07
	4	30	30
	4	40	40
3	-		

1		2		3	4	5
1	2	3	4	5	6	7
XX		XX		-	X	X

OFL Key-code series K

Size		
4	Size 0	0
	Size 1	1
	Size 2	2
	Size 3	3
	Size 4	4
Type of contact		
5	SOLDER SOCKET	P
	SOLDER PIN	S
	CRIMP SOCKET	D
	CRIMP PIN	T
	PCB SOCKET	U
	PCB PIN	V
Contact cross section & PCB termination diameter		
6	AWG 28/32 (0.09MMQ-0.04MMQ)	A
	AWG 22/26 (0.38MMQ-0.15MMQ)	B
	AWG 20/24 (0.50MMQ-0.25MMQ)	C
	AWG 18/20 (1.00MMQ-0.50MMQ)	E
	AWG 14/18 (1.50MMQ-1.00MMQ)	F
	AWG 28 (0.08MMQ)	G
	AWG 26 (0.15MMQ)	H
	AWG 24 (0.25MMQ)	I
	AWG 22 (0.38MMQ)	J
	AWG 20 (0.50MMQ)	K
	AWG 18 (1.00MMQ)	L
	AWG 14 (1.50MMQ)	M
	AWG 12 (2.50MMQ)	N
	PCB TERMINATION DIAMETER 0.5	O
	PCB TERMINATION DIAMETER 0.7	Q
7	-	
Housing Material		
8	Standard (CU-ALLOY/MATT CHROMATE)	S
	BLACK (CU-ALLOY/BLACK CHROMATE)	B
Cable collet max diameter		
9	WITHOUT CABLE COLLET	00
	1.0>1.5 MM	15
	...	XX
	...	XX
	...	XX
	13.50>14.00 MM	14
KEYINGS STANDARD		
10	0°	AAA
	30°	BBB
	45°	CCC
	60°	EEE
	ON REQUEST - INDICATE KEY CORNER WHERE 0° CORNER IS INDICATED BY "RED POINT"	XXX

6	7	8	9		10		
8	9	10	11	12	13	14	15
X	-	X	XX		XXX		

Straight Plug

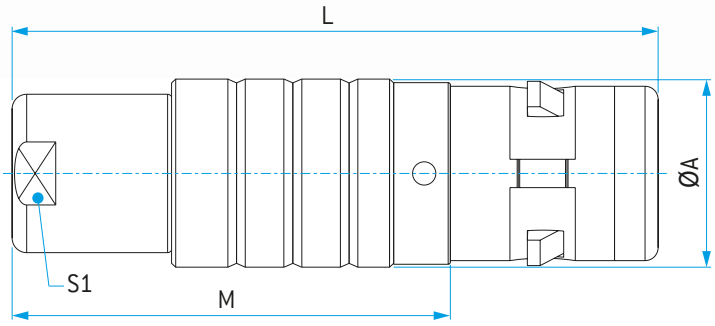
KA - IP68
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
KA		-				-			

P/N key	Size	Dimensions in mm			
		L	M	ø A	S1
0	0	37.0	26.0	11.0	7.0
1	1	44.0	30.0	13.0	10.0
2	2	50.0	34.0	16.0	12.0
3	3	60.0	40.0	19.0	14.0
4	4	73.0	52.0	25.0	20.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Straight Plug

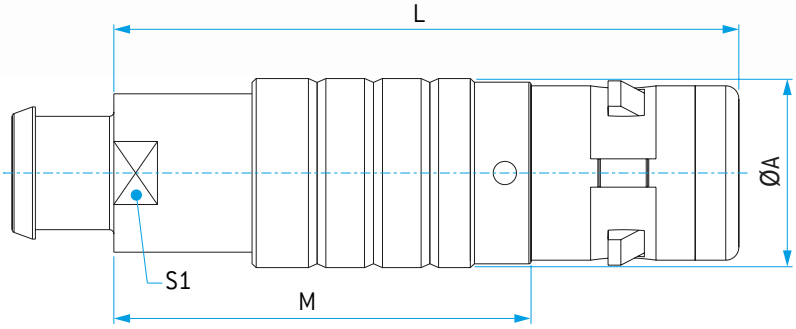
KB - IP68
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
KB		-				-			

P/N key	Size	Dimensions in mm			
		L	M	ø A	S1
0	0	37.0	26.0	11.0	7.0
1	1	44.0	30.0	13.0	10.0
2	2	50.0	34.0	16.0	13.0
3	3	60.0	40.0	19.0	15.0
4	4	73.0	52.0	25.0	20.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Break-Away

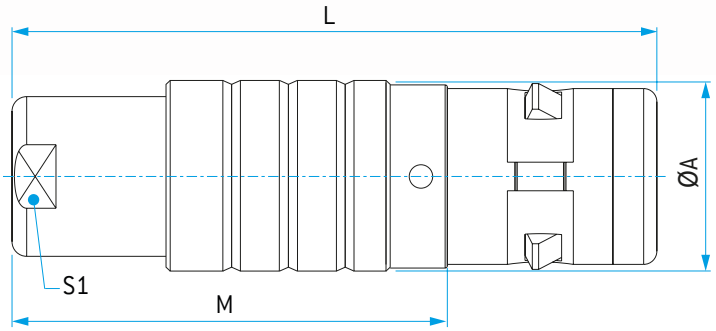
KC - IP68
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
KC		-				-			

P/N key	Size	Dimensions in mm			
		L	M	ø A	S1
0	0	37.0	26.0	11.0	7.0
1	1	44.0	30.0	13.0	10.0
3	3	60.0	40.0	19.0	14.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Break-Away

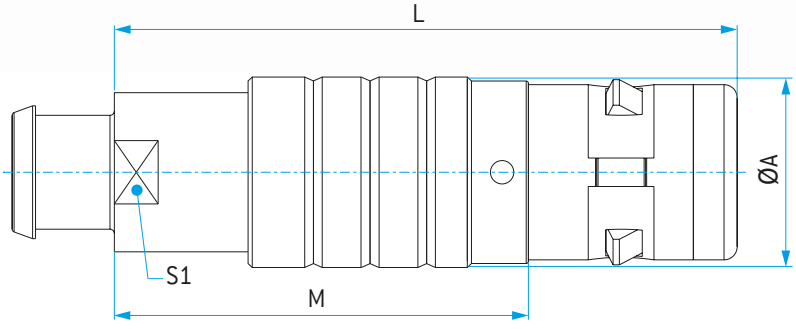
KD - IP68
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
KD		-				-			

P/N key	Size	Dimensions in mm			
		L	M	ø A	S1
0	0	37.0	26.0	11.0	7.0
1	1	44.0	30.0	13.0	10.0
3	3	60.0	40.0	19.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Plug / Panel Mounting

KE - IP68

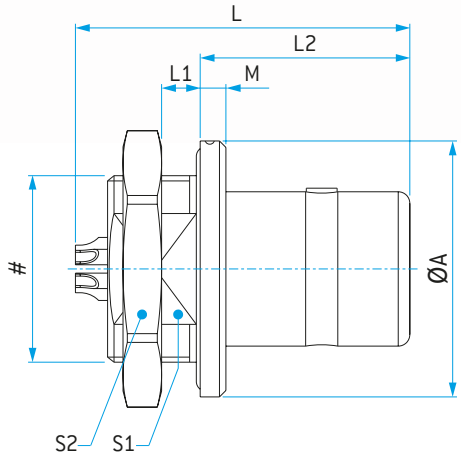
FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING

1	2	3	4	5	6	7	8	9	10
KE		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	#	M	ø A	S1	S2	Panel cut out	
										SW +0.1	ø +0.1
1	1	28.0	4.0	16.3	M 16 x 1	2.0	20.0	14.5	18.5	14.6	16.1
2	2	32.0	4.5	19.0	M 20 x 1	2.7	25.0	18.5	25.0	18.6	20.1
3	3	36.0	4.0	23.2	M 24 x 1	3.0	31.0	22.5	30.0	22.6	24.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



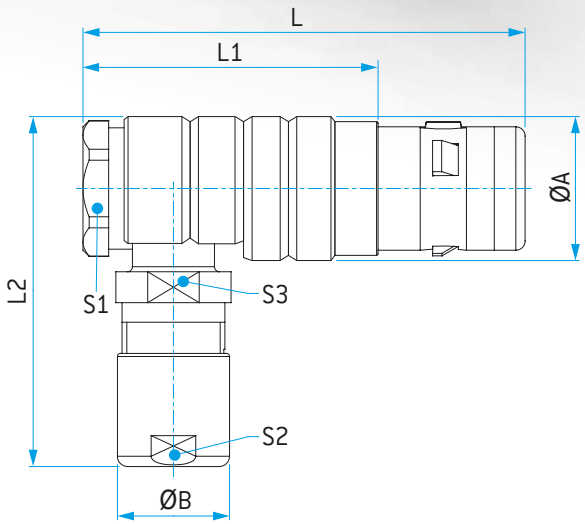
Right-Angled Plug

KG - IP68

RIGHT-ANGLED WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
KG		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
0	0	34.7	23.2	27.0	11.6	9.0	10.0	7.0	8.0
1	1	43.0	28.7	34.0	14.0	11.0	12.0	10.0	10.0
2	2	51.0	34.7	36.0	17.5	14.0	15.0	12.0	13.0
3	3	61.0	40.8	41.0	20.0	16.5	18.0	14.0	15.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request

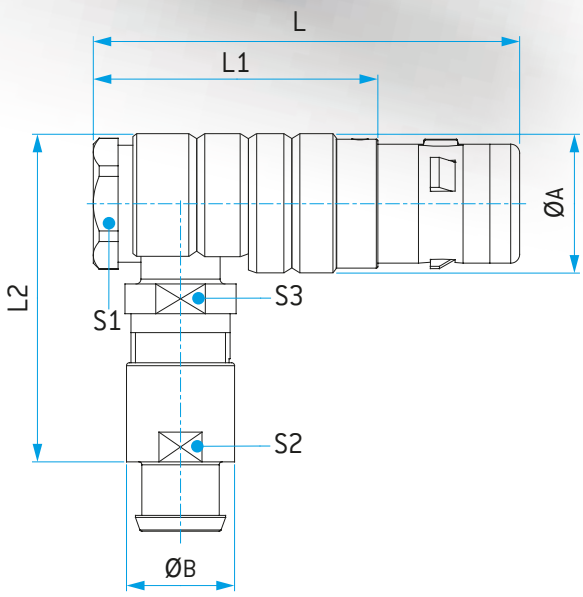
Right-Angled Plug

KH - IP68

RIGHT-ANGLED WITH BACK NUT AND CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
KH		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
0	0	34.7	23.2	27.0	11.6	9.0	10.0	7.0	8.0
1	1	43.0	28.7	34.0	14.0	11.0	12.0	10.0	10.0
2	2	51.0	34.7	36.0	17.5	14.0	15.0	13.0	13.0
3	3	61.0	40.8	41.0	20.0	16.5	18.0	15.0	15.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request

In-Line Receptacle

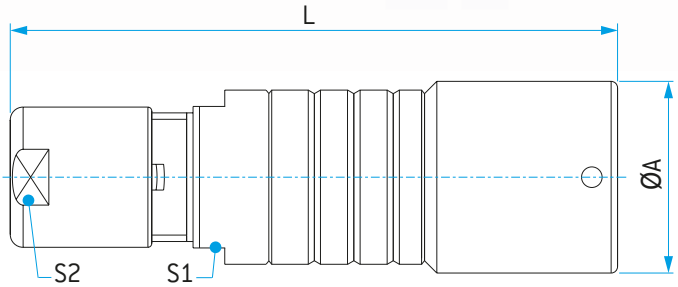
KI - IP68
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
KI		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
0	0	39.0	13.0	9.0	7.0
1	1	47.0	15.0	11.0	10.0
2	2	54.0	19.0	14.0	12.0
3	3	64.0	23.0	16.5	14.0
4	4	79.0	29.0	22.0	20.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



In-line Receptacle

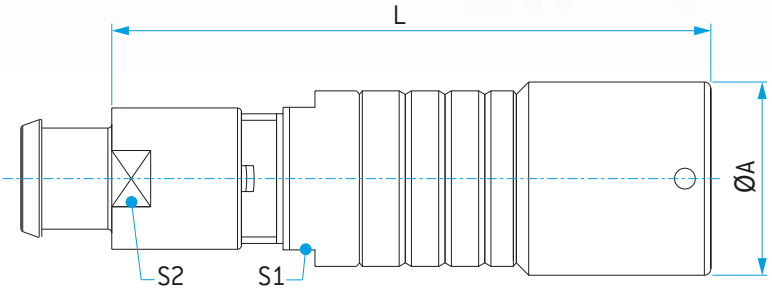
KJ - IP68
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
KJ		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
0	0	39.0	13.0	9.0	7.0
1	1	47.0	15.0	11.0	10.0
2	2	54.0	19.0	14.0	13.0
3	3	64.0	23.0	16.5	15.0
4	4	79.0	29.0	22.0	20.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle

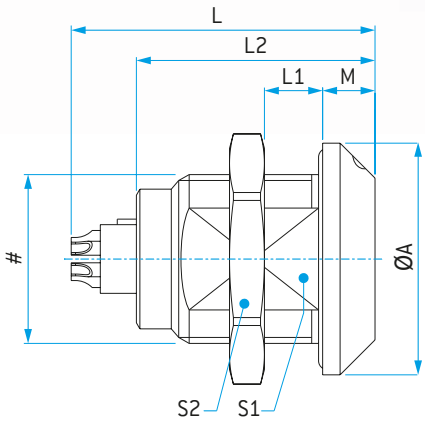
KK - IP68
FRONT MOUNTING

1	2	3	4	5	6	7	8	9	10
KK		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	#	ø A	S1	S2	M	Panel cut out	
										SW +0.1	ø +0.1
0	0	21.0	5.5	15.5	M 14 x 1	18.0	12.5	17.0	4.0	12.6	14.1
1	1	28.0	9.0	20.5	M 16 x 1	20.0	14.5	19.0	4.5	14.6	16.1
2	2	31.0	9.0	23	M 20 x 1	25.0	18.5	24.0	5.0	18.6	20.1
3	3	36.0	11.0	28	M 24 x 1	31.0	22.5	30.0	6.0	22.6	24.1
4	4	40.0	11.0	31.5	M 30 x 1	37.0	28.5	36.0	6.5	28.6	30.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle

KN - IP68

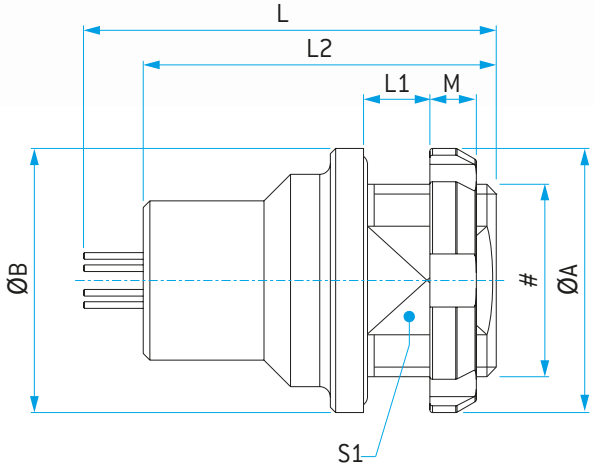
REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT

1	2	3	4	5	6	7	8	9	10
KN		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	#	ø A	ø B	S1	M	Panel cut out	
										SW +0.1	ø +0.1
1	1	32.0	6.0	26.6	M 16 x 1	20.0	20.0	14.5	3.5	14.6	16.1
2	2	34.0	6.0	27	M 20 x 1	25.0	25.0	18.5	3.5	18.6	20.1
3	3	39.0	7.0	32.7	M 24 x 1	30.0	31.0	22.5	4.5	22.6	24.1
4	4	42.0	6.0	35.5	M 30 x 1	41.5	37.0	28.5	7.0	28.6	30.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle

KR - IP68

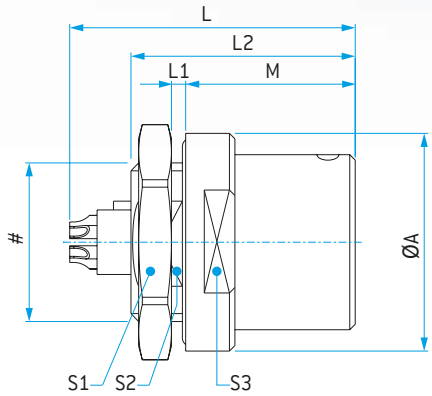
FRONT MOUNTING WITH SHALLOW INSTALLATION DEPTH

1	2	3	4	5	6	7	8	9	10
KR		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	#	ø A	S1	S2	S3	M	Panel cut out	
											SW +0.1	ø +0.1
1	1	28.0	1.5	20.5	16 x 1	20.0	19.0	14.5	17.0	15.5	14.6	16.1
2	2	31.0	2.0	23.0	20 x 1	25.0	24.0	18.5	20.0	17.0	18.6	20.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle

KS - IP68

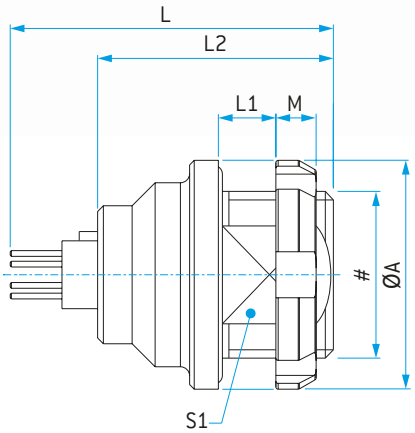
REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH AND PROPRIETARY JAM NUT

1	2	3	4	5	6	7	8	9	10
KS		-				-			

P/N key	Size	Dimensions in mm								
		L	L1	L2	#	ø A	M	S1	Panel cut out	
									SW +0.1	ø +0.1
0	0	21.0	3.0	15.5	M 14 x 1	18.0	4.0	12.5	12.6	14.1
1	1	28.0	6.0	20.5	M 16 x 1	20.0	3.5	14.5	14.6	16.1
2	2	31.0	6.0	23.0	M 20 x 1	25.0	3.5	18.5	18.6	20.1
3	3	36.0	7.5	28.0	M 24 x 1	31.0	4.5	22.5	22.6	24.1
4	4	40.0	6.5	31.5	M 30 x 1	41.5	7.0	28.5	28.6	30.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle

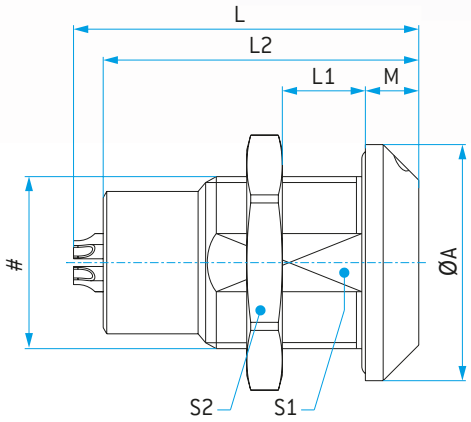
KT - IP68
FRONT MOUNTING

1	2	3	4	5	6	7	8	9	10
KT		-				-			

P/N key	Size	Dimensions in mm									
		L	L1	L2	#	ø A	M	S1	S2	Panel cut out	
										SW +0.1	ø +0.1
0	0	24.0	5.0	19.7	M 14 x 1	18.0	4.0	12.5	17.0	12.6	14.1
1	1	32.0	9.0	26.6	M 16 x 1	20.0	4.5	14.5	19.0	14.6	16.1
2	2	34.0	9.0	27.0	M 20 x 1	25.0	5.0	18.5	24.0	18.6	20.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle Right-Angled PCB Contacts

KW - IP68

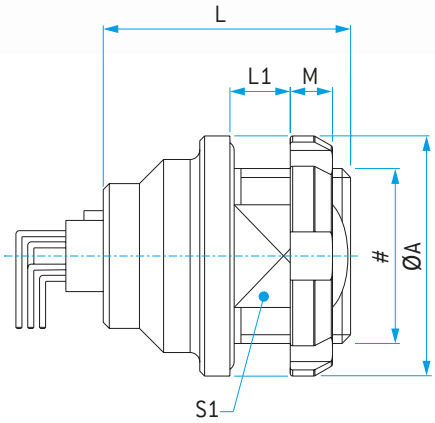
REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH TYPE "KS"

1	2	3	4	5	6	7	8	9	10
KW		-				-			

P/N key	Size	Dimensions in mm									
		L1	L2	L3	L4	M	D	C	SW A	Panel cut out	
										SW +0.1	ø +0.1
0	0	21.0	3.0	15.5	7.0	14 x 1	18.0	4.0	12.5	12.6	14.1
1	1	28.0	6.0	20.5	10.0	16 x 1	20.0	3.5	14.5	14.6	16.1
2	2	31.0	6.0	23.0	10.0	20 x 1	25.0	3.5	18.5	18.6	20.1
3	3	36.0	7.5	28.0	12.0	24 x 1	31.0	4.5	22.5	22.6	24.1
4	4	40.0	6.5	31.5	13.5	30 x 1	41.5	7.0	28.5	28.6	30.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Receptacle Right-Angled PCB Contacts

KX - IP68

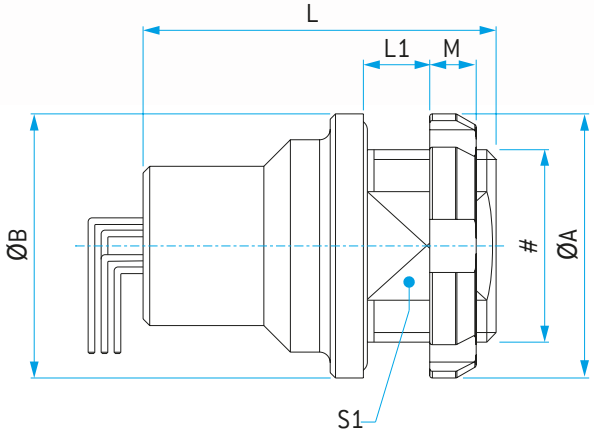
REAR MOUNTING WITH INCREASED INSTALLATION DEPTH TYPE “KN”

1	2	3	4	5	6	7	8	9	10
KX		-				-			

P/N key	Size	Dimensions in mm									
		L1	L2	L3	M	D1	D2	SW A	C	Panel cut out	
										SW	ø
1	1	32.0	6.0	26.6	M 16 x 1	20.0	20.0	14.5	3.5	14.6	16.1
2	2	34.0	6.0	27.0	M 20 x 1	25.0	25.0	18.5	3.5	18.6	20.1
3	3	39.0	7.0	32.7	M 24 x 1	30.0	31.0	22.5	4.5	22.6	24.1
4	4	42.0	6.0	35.5	M 30 x 1	41.5	37.0	28.5	7.0	28.6	30.1

STANDARD CONTACT

- Possible configurations and technical indications: see pages 70 to 78
- Accessories: see pages 81 to 84
- Cable assembly information available on request



Contact inserts and technical information

2 POSITIONS

1	2	3	4	5	6	7	8	9	10
	02	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,366	1,1	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,366	1,1	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
1	1	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,55	1,65	14
					20	0,5	K	1,1			
		SOLDER PIN	S		18	1,0	L	1,4			
					20	0,5	K	1,1			
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,6	1,8	22
					14	1,5	M	1,85	0,7	2,1	
		SOLDER PIN	S		12	2,5	N	2,4	0,6	1,8	
					14	1,5	M	1,85	0,7	2,1	
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-	0,7	2,1	
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7	0,7	2,1	
		PCB PIN	V								

3 POSITIONS

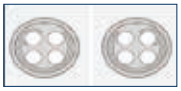
1	2	3	4	5	6	7	8	9	10
	03	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,4	1,2	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,2	0,6	
					22 - 26	0,38 - 0,15	B		0,4	1,2	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,2	0,6	
					22 - 26	0,38 - 0,15	B		0,4	1,2	
		PCB SOCKET	U		-	-	Q	0,7	0,4	1,2	
		PCB PIN	V								
1	1	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,333	1,0	14
					20	0,5	K	1,1	0,5	1,5	
		SOLDER PIN	S		18	1,0	L	1,4	0,333	1,0	
					20	0,5	K	1,1	0,5	1,5	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,333	1,0	
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,8	2,4	17
		SOLDER PIN	S								
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-	0,65	1,95	
					18 - 20	1,0 - 0,5	E		0,8	2,4	
		CRIMP PIN	T		14 - 18	1,5 - 1,0	F	-	0,65	1,95	
					18 - 20	1,0 - 0,5	E		0,8	2,4	
		PCB SOCKET	U		-	-	Q	0,7	0,8	2,4	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,6	1,8	22
					14	1,5	M	1,85			
		SOLDER PIN	S		12	2,5	N	2,4			
					14	1,5	M	1,85			
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

Contact inserts and technical information

4 POSITIONS

1	2	3	4	5	6	7	8	9	10
	04	-				-			



DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,5	1,5	
					22 - 26	0,38 - 0,15	B				
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,6	1,8	14
					20	0,5	K	1,1	0,65	1,95	
		SOLDER PIN	S		18	1,0	L	1,4	0,6	1,8	
					20	0,5	K	1,1	0,65	1,95	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,6	1,8	
					20 - 24	0,5 - 0,25	C		0,65	1,95	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,6	1,8	
					20 - 24	0,5 - 0,25	C		0,65	1,95	
		PCB SOCKET	U		-	-	Q	0,7	0,65	1,95	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,55	1,65	22
					14	1,5	M	1,85			
		SOLDER PIN	S		12	2,5	N	2,4			
					14	1,5	M	1,85			
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	04	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	20	0,5	K	1,1	0,65	1,95	14
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	04	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
		SOLDER PIN	S								
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								

Contact inserts and technical information

5 POSITIONS

1	2	3	4	5	6	7	8	9	10
	05	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,2	0,6	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,2	0,6	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,2	0,6	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,2	0,6	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,5	1,5	14
					20	0,5	K	1,1	0,6	1,8	
		SOLDER PIN	S		18	1,0	L	1,4	0,5	1,5	
					20	0,5	K	1,1	0,6	1,8	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,5	1,5	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,5	1,5	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		PCB SOCKET	U		-	-	Q	0,7	0,6	1,8	
		PCB PIN	V								

6 POSITIONS

1	2	3	4	5	6	7	8	9	10
	06	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	J	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,65	0,4	1,2	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,65	0,4	1,2	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	14
					20	0,5	K	1,1	0,5	1,5	
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	
					20	0,5	K	1,1	0,5	1,5	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,5	1,5	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,5	1,5	
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								

Contact inserts and technical information

1	2	3	4	5	6	7	8	9	10
	07	-				-			

7 POSITIONS

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	J	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,65	0,4	1,2	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,65	0,4	1,2	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	14
					20	0,5	K	1,1	0,6	1,8	
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	
					20	0,5	K	1,1	0,6	1,8	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,366	1,1	
					20 - 24	0,5 - 0,25	C		0,6	1,8	
		PCB SOCKET	U		-	-	Q	0,7	0,6	1,8	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,6	1,8	17
		SOLDER PIN	S								
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-			
					18 - 20	1,0 - 0,5	E				
		CRIMP PIN	T		14 - 18	1,5 - 1,0	F	-			
					18 - 20	1,0 - 0,5	E				
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
4	4	SOLDER SOCKET	P	2	12	2,5	N	2,4	0,45	1,35	22
					14	1,5	M	1,85	0,55	1,65	
		SOLDER PIN	S		12	2,5	N	2,4	0,45	1,35	
					14	1,5	M	1,85	0,55	1,65	
		PCB SOCKET	U		-	-	Q	0,7	0,55	1,65	
		PCB PIN	V								

Contact inserts and technical information

8 POSITIONS

1	2	3	4	5	6	7	8	9	10
	08	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,5	1,5	10
					22	0,38	J	0,85			
		SOLDER PIN	S		20	0,5	K	1,1			
					22	0,38	J	0,85			
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-			
					22 - 26	0,38 - 0,15	B				
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-			
					22 - 26	0,38 - 0,15	B				
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,45	1,35	14
					20	0,5	K	1,1	0,55	1,65	
		SOLDER PIN	S		18	1,0	L	1,4	0,45	1,35	
					20	0,5	K	1,1	0,55	1,65	
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,45	1,35	
					20 - 24	0,5 - 0,25	C		0,55	1,65	
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,45	1,35	
					20 - 24	0,5 - 0,25	C		0,55	1,65	
		PCB SOCKET	U		-	-	Q	0,7	0,55	1,65	
		PCB PIN	V								

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	08	-				-			


DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	26	0,15	H	0,65	0,333	1,0	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
		CRIMP PIN	T								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

9 POSITIONS

1	2	3	4	5	6	7	8	9	10
	09	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,2	0,6	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								

Contact inserts and technical information

10 POSITIONS

1	2	3	4	5	6	7	8	9	10
	10	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,2	0,6	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,5	26	0,15	H	0,65	0,2	0,6	5
					28	0,08	G	0,45	0,333	1,0	
		SOLDER PIN	S		26	0,15	H	0,65	0,2	0,6	
					28	0,08	G	0,45	0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,3	0,9	10
					22	0,38	J	0,85	0,5	1,5	
		SOLDER PIN	S		20	0,5	K	1,1	0,3	0,9	
					22	0,38	J	0,85	0,5	1,5	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,3	0,9	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,3	0,9	
					22 - 26	0,38 - 0,15	B		0,5	1,5	
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	14
					20	0,5	K	1,1	0,45	1,35	
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	
					20	0,5	K	1,1	0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

12 POSITIONS

1	2	3	4	5	6	7	8	9	10
	12	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,4	1,2	7
					26	0,15	H	0,6	0,45	1,35	
		SOLDER PIN	S		22	0,38	J	0,85	0,4	1,2	
					26	0,15	H	0,6	0,45	1,35	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,4	1,2	
					28 - 32	0,09 - 0,04	A		0,45	1,35	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,4	1,2	
					28 - 32	0,09 - 0,04	A		0,45	1,35	
		PCB SOCKET	U		-	-	O	0,5	0,45	1,35	
		PCB PIN	V								

14 POSITIONS

1	2	3	4	5	6	7	8	9	10
	14	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,366	1,1	7
					26	0,15	H	0,6	0,4	1,2	
		SOLDER PIN	S		22	0,38	J	0,85	0,366	1,1	
					26	0,15	H	0,6	0,4	1,2	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,366	1,1	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,366	1,1	
					28 - 32	0,09 - 0,04	A		0,4	1,2	
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

Contact inserts and technical information

16 POSITIONS

1	2	3	4	5	6	7	8	9	10
	16	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

18 POSITIONS

1	2	3	4	5	6	7	8	9	10
	18	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	10
					22	0,38	J	0,85	0,45	1,35	
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	
					22	0,38	J	0,85	0,45	1,35	
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	
					22 - 26	0,38 - 0,15	B		0,45	1,35	
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	
		PCB PIN	V								

19 POSITIONS

1	2	3	4	5	6	7	8	9	10
	19	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								

Contact inserts and technical information

20 POSITIONS

1	2	3	4	5	6	7	8	9	10
	20	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								

22 POSITIONS

1	2	3	4	5	6	7	8	9	10
	22	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	7
					26	0,15	H	0,6	0,366	1,1	
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	
					26	0,15	H	0,6	0,366	1,1	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	
					28 - 32	0,09 - 0,04	A		0,366	1,1	
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	
		PCB PIN	V								

26 POSITIONS

1	2	3	4	5	6	7	8	9	10
	26	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,3	0,9	5
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	
					28 - 32	0,09 - 0,04	A		0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								

Contact inserts and technical information

30 POSITIONS

1	2	3	4	5	6	7	8	9	10
	30	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6			
		SOLDER PIN	S		22	0,38	J	0,85			
					26	0,15	H	0,6			
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			
					28 - 32	0,09 - 0,04	A				
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
4	4	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,52	1,57	10
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

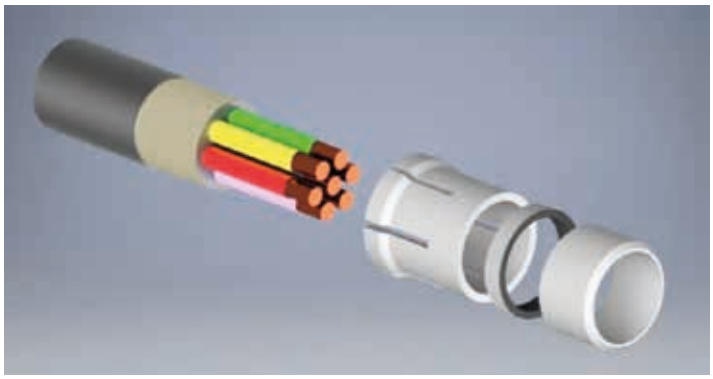
40 POSITIONS

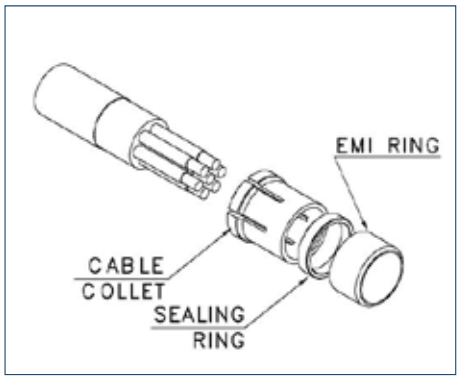
1	2	3	4	5	6	7	8	9	10
	40	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
4	4	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	7
					26	0,15	H	0,6	0,333	1,0	
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	
					26	0,15	H	0,6	0,333	1,0	
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	
		PCB PIN	V								

CABLE COLLET SYSTEM

Cable collet for strain relief, EMI Shielding Ring





1	2	3	4	5	6	7	8	9	10
		-				-			

P/N key		Cable diameter mm	0	1	2	3	4
1	5	1 - 1.5		•			
2	0	1.5 - 2	•	•			
2	5	2 - 2.5	•	•			
3	0	2.5 - 3	•	•	•		
3	5	3 - 3.5	•	•	•	•	
4	0	3.5 - 4	•	•	•	•	
4	5	4 - 4.5	•	•	•	•	
5	0	4.5 - 5	•	•	•	•	
5	5	5 - 5.5		•	•	•	
6	0	5.5 - 6		•	•	•	
6	5	6 - 6.5		•	•	•	
7	0	6.5 - 7		•	•	•	
7	5	7 - 7.5			•	•	•
8	0	7.5 - 8			•	•	
8	5	8 - 8.5			•	•	•
9	0	8.5 - 9			•	•	
9	5	9 - 9.5				•	•
0	1	9.5 - 10				•	
0	2	10 - 10.5				•	•
0	3	10.5 - 11.5					•
1	4	13.5 - 14					•
0	0	without cable collet system (on request)					

Standard Coding Keys

1	2	3	4	5	6	7	8	9	10
		-				-			

P/N Key	Angle	Connector Front View	0	1	2	3	4
AAA	0°		•	•	•	•	•
BBB	30°		•	•	•	•	○
CCC	45°		•	•	•	○	○
EEE	60°		•	•	•	○	○

- • Standard
- ○ On request.

Accessories

PROTECTIVE COVERS FOR RECEPTACLES (IP68)

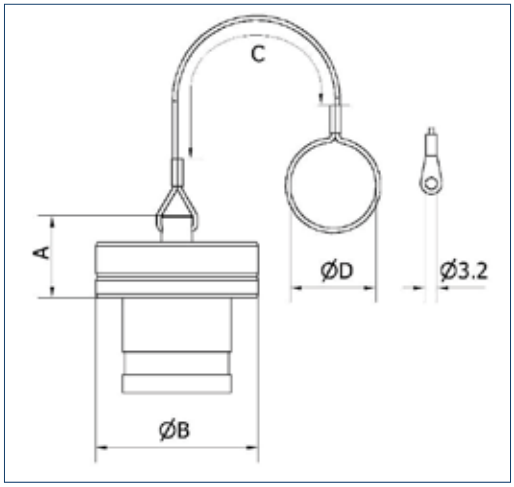


Table1: CPE Code Table					
Size	P/N Key	A mm	B mm	C mm	Ø D mm
0	**CVKR0x**	8	15	70	6
1	**CVKR1x**	9	18.5	75	8
2	**CVKR2x**	9	21.5	85	10
3	**CVKR3x**	9.6	24	120	12
4	**CVKR4x**	11.2	31.5	140	16

Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

x is the Code from Table2 (Lanyard Material Code Table)

Example: CVKR0A – PROTECTIVE COVER FOR SIZE 0 RECEPTACLE WITH POLYAMIDE LANYARD AND LOOP

Accessories

PROTECTIVE COVERS FOR PLUG (IP68)

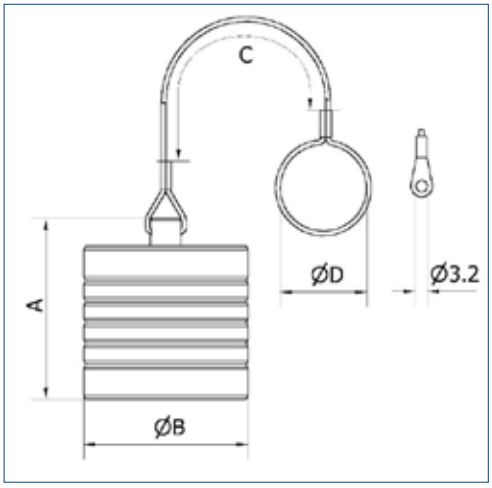


Table1: CPE Code Table					
Size	P/N Key	A mm	Ø B mm	C mm	Ø D mm
0	**CVKP0xy**	16	14	70	6
1	**CVKP1xy**	21	16	75	8
2	**CVKP2xy**	21.5	20	85	10
3	**CVKP3xy**	25.5	24	130	12
4	**CVKP4xy**	28	30	140	16

x is the Code from Table2 (Lanyard Material Code Table)
y is the Keying from Table3 (Keying Table)

Example: CVKP0A0 – PROTECTIVE COVER FOR SIZE 0 PLUG WITH POLYAMIDE LANYARD AND LOOP

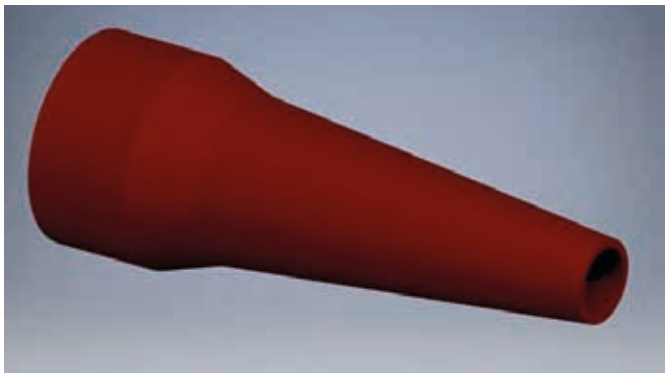
Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

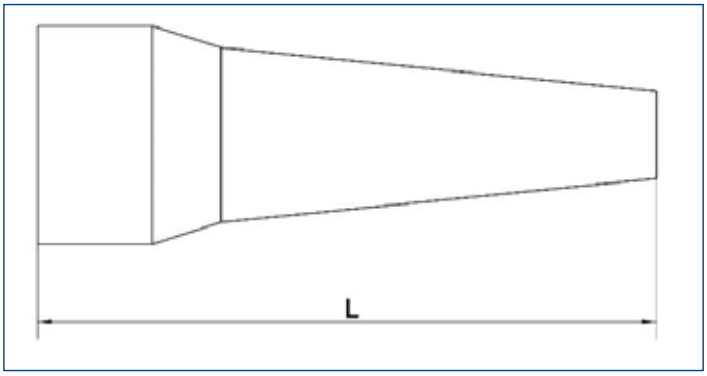
Table3: Keying Table								
Size	0	A	C	F	H	K	Q	W
0	•	•	•	•				
1	•	•	•	•				
2	•	•	•	•				
3	•	•						
4	•							

• Default
° on request

Accessories

SILICONE CABLE BEND RELIEFS





TEMPERATURE RANGE SILICONE: – 50 °C up to +200 °C, short-term up to +230 °C Autoclavable

Table1: CPE Code Table

SIZE	P/N Key	L mm	Cable jacket (outside Ø) min.	Cable jacket (outside Ø) max.
0	**SCBR0D20xx**	27	2	2.5
	SCBR0D25xx		2.5	3
	SCBR0D30xx		3	3.5
	SCBR0D35xx		3.5	4
	SCBR0D40xx		4	4.5
	SCBR0D45xx		4.5	5
1	**SCBR1D25xx**	30	2.5	3
	SCBR1D30xx		3	3.5
	SCBR1D35xx		3.5	4
	SCBR1D40xx		4	5
	SCBR1D50xx		5	6
	SCBR1D60xx		6	6.5
	SCBR1D65xx		6.5	7.5
2	**SCBR2D25xx**	36	2.5	3
	SCBR2D30xx		3	3.5
	SCBR2D35xx		3.5	4
	SCBR2D40xx		4	5
	SCBR2D50xx		5	6
	SCBR2D60xx		6	7
	SCBR2D70xx		7	8
	SCBR2D80xx		8	9
3	**SCBR3D40xx**	42	4	5
	SCBR3D50xx		5	6
	SCBR3D60xx		6	7
	SCBR3D70xx		7	8
	SCBR3D80xx		8	9
	SCBR3D90xx		9	10
	SCBR3D100xx		10	11
	SCBR3D110xx		11	12
4	**SCBR4D80xx**	60	8	10
	SCBR4D100xx		10	12
	SCBR4D120xx		12	14
	SCBR4D140xx		14	16

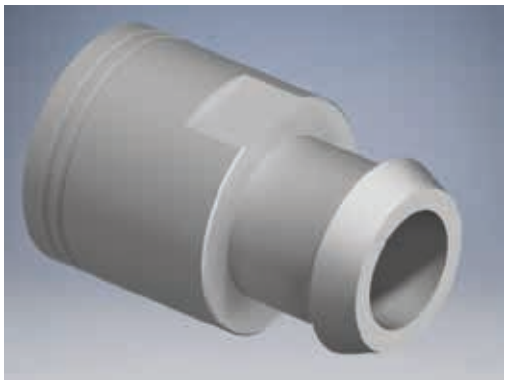
Table2: Color Code Table

Color Code	Color	RAL no. (similar)
RD	Red	3020
WE	White	9010
YW	Yellow	1016
GN	Green	6029
BE	Blue	5002
GY	Grey	7005
BK	Black	9005

xx is the Color Code from Table2 (Color Code Table)
Example: SCBR0D20RD – SILICONE CABLE BEND RELIEF SIZE 0 (CABLE D. 2-2.5mm) Red

Accessories

BACK NUTS FOR CABLE BEND RELIEFS



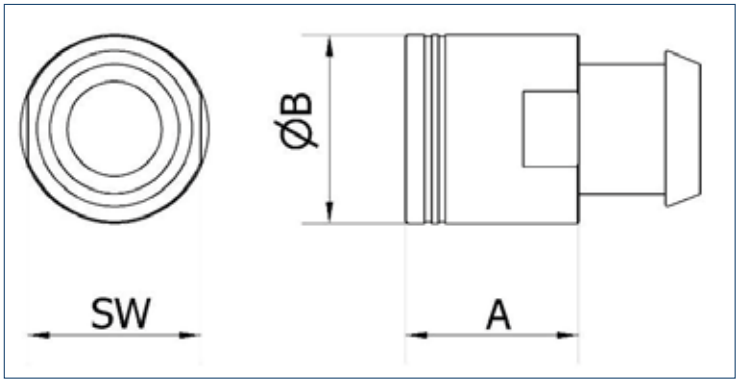


Table1: CPE Code Table				
Size	P/N Key	Ø A mm	Ø B mm	SW mm
0	**BCBR0x**	8	8.9	7
1	**BCBR1x**	10	10.9	10
2	**BCBR2x**	11.5	13.9	13
3	**BCBR3x**	11.5	16.9	15
4	**BCBR4x**	15	23	20

Table2: Surface Plating Table	
Code	Surface Plating
S	Cu-alloy / matt chrome plated
B	Cu-alloy / black chrome plated
N	Cu-alloy / nickel

x is the Code from Table2 (Surface Plating Table)

Example: BCBR0S – BACK NUT FOR CABLE BEND RELIEF MATT CHROME PLATED

TABLE OF CONTENTS:

OFL Key-code series F

	Type of connectors	
	PLUG / STRAIGHT WITH BACK NUT	**FA**
	PLUG / STRAIGHT WITH BACK NUT FOR CABLE BEND RELIEF	**FB**
	PLUG / BREAK-AWAY WITH BACK NUT - IP68 -	**F3**
	PLUG / BREAK-AWAY WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -	**F4**
	PLUG PANEL / FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING	**FE**
	PLUG PANEL / FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING - IP68 -	**FF**
	PLUG / RIGHT ANGLE WITH BACK NUT	**FG**
	PLUG / RIGHT ANGLE WITH BACK NUT FOR CABLE BEND RELIEF	**FH**
	PLUG / RIGHT ANGLE WITH BACK NUT - IP68 -	**FY**
	PLUG / RIGHT ANGLE WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -	**FZ**
	PLUG / BREAK-AWAY STRAIGHT WITH BACK NUT	**F5**
	PLUG / BREAK-AWAY STRAIGHT WITH BACK NUT FOR CABLE BEND RELIEF	**F6**
	PLUG / BREAK-AWAY STRAIGHT WITH BACK NUT -IP68 -	**F7**
	PLUG / BREAK-AWAY STRAIGHT WITH BACK NUT FOR CABLE BEND RELIEF - IP68 -	**F8**
	PLUG / SHORT PUSH PULL WITH LOCKING -IP68 -	**F1**
	PLUG / SHORT PUSH PULL WITHOUT LOCKING - IP68 -	**F2**
1	IN-LINE RECEPTACLE / WITH BACK NUT	**FI**
	IN-LINE RECEPTACLE / BACK NUT FOR CABLE BEND RELIEF	**FJ**
	IN-LINE RECEPTACLE / WITH BACK NUT - IP68 -	**FP**
	IN-LINE RECEPTACLE / BACK NUT FOR CABLE BEND RELIEF - IP68 -	**FQ**
	RECEPTACLE / FRONT MOUNTING WITH ANTI-ROTATION	**FK**
	RECEPTACLE / FRONT MOUNTING WITHOUT ANTI-ROTATION - IP68 -	**FM**
	RECEPTACLE / FRONT OR REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT	**FL**
	RECEPTACLE / FRONT MOUNTING WITH SHALLOW INSTALLATION DEPTH - IP68 -	**FO**
	RECEPTACLE / FRONT OR REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT - IP68 -	**FN**
	RECEPTACLE / FRONT MOUNTING WITH SHALLOW INSTALLATION WITH OPTIMAL DISTANCE ADJUSTMENT	**FR**
	RECEPTACLE / REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH	**FS**
	RECEPTACLE RIGHT-ANGLE PCB CONTACTS / REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT TYPE "FL"	**FU**
	RECEPTACLE RIGHT-ANGLE PCB CONTACTS / REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT TYPE "FN"	**FV**
	RECEPTACLE RIGHT-ANGLE PCB CONTACTS / REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH TYPE "FS"	**FX**

	Number of contacts		
	0	02	**02**
	0	03	**03**
	0	04	**04**
	0	05	**05**
	0	06	**06**
	0	07	**07**
	0	09	**09**
	1	02	**02**
	1	03	**03**
	1	04	**04**
	1	05	**05**
	1	06	**06**
	1	07	**07**
	1	08	**08**
	1	12	**12**
	1.5	10	**10**
	1.5	12	**12**
	1.5	19	**19**
	2	02	**02**
	2	03	**03**
	2	05	**05**
	2	06	**06**
	2	07	**07**
	2	08	**08**
	2	09	**09**
	2	10	**10**
	2	16	**16**
	2	19	**19**
	3	02	**02**
	3	10	**10**
	3	12	**12**
	3	15	**15**
	3	18	**18**
	3	24	**24**
	3	27	**27**
3	-		

1	**2**	**3**	**4**	**5**
1 2	3 4	5	6	7
XX	**XX**	**-**	**X**	**X**

OFL Key-code series F

Size		
4	Size 0	0
	Size 1	1
	Size 1.5	M
	Size 2	2
	Size 3	3
Type of contact		
5	SOLDER SOCKET	P
	SOLDER PIN	S
	CRIMP SOCKET	D
	CRIMP PIN	T
	PCB SOCKET	U
	PCB PIN	V
Contact cross section & PCB termination diameter		
6	AWG 28/32 (0.09MMQ-0.04MMQ)	A
	AWG 22/26 (0.38MMQ-0.15MMQ)	B
	AWG 20/24 (0.50MMQ-0.25MMQ)	C
	AWG 18/20 (1.00MMQ-0.50MMQ)	E
	AWG 14/18 (1.50MMQ-1.00MMQ)	F
	AWG 28 (0.08MMQ)	G
	AWG 26 (0.15MMQ)	H
	AWG 24 (0.25MMQ)	I
	AWG 22 (0.38MMQ)	J
	AWG 20 (0.50MMQ)	K
	AWG 18 (1.00MMQ)	L
	AWG 14 (1.50MMQ)	M
	AWG 12 (2.50MMQ)	N
	AWG 10 (2.50MMQ)	O
	PCB TERMINATION DIAMETER 0.5	P
	PCB TERMINATION DIAMETER 0.7	Q
	PCB TERMINATION DIAMETER 0.9	R
	PCB TERMINATION DIAMETER 1.3	S
	PCB TERMINATION DIAMETER 1.6	T
	PCB TERMINATION DIAMETER 2.0	U
7	-	
Housing Material		
8	Standard (CU-ALLOY/MATT CHROMATE)	S
	BLACK (CU-ALLOY/BLACK CHROMATE)	B
Cable collet max diameter		
9	WITHOUT CABLE COLLET	00
	1.0>1.5 MM	15
	...	XX
	...	XX
	...	XX
	13.50>14.00 MM	14
KEYINGS STANDARD		
10	A 0-1-1.5-2-3	A
	B 0-1-1.5-2-3	B
	C 0-1-1.5-2-3	C

6	7	8	9		10
8	9	10	11	12	13
X	-	X	XX		X

Straight Plug

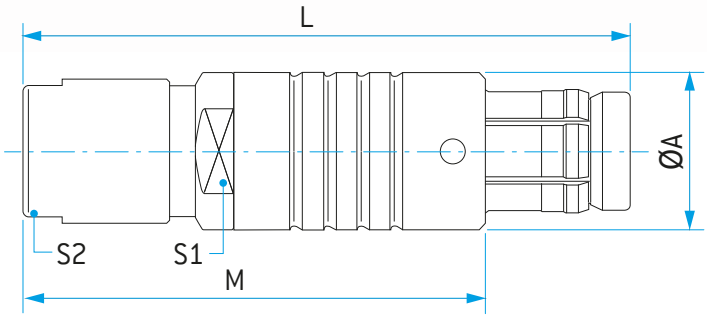
FA - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
FA		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	37.0	27.0	9.4	8.0	7.0
1	1	46.0	35.0	12.0	10.0	10.0
M	1.5	48.0	38.0	13.0	11.0	12.0
2	2	50.0	38.0	15.0	13.0	12.0
3	3	59.0	44.0	18.0	16.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Straight Plug

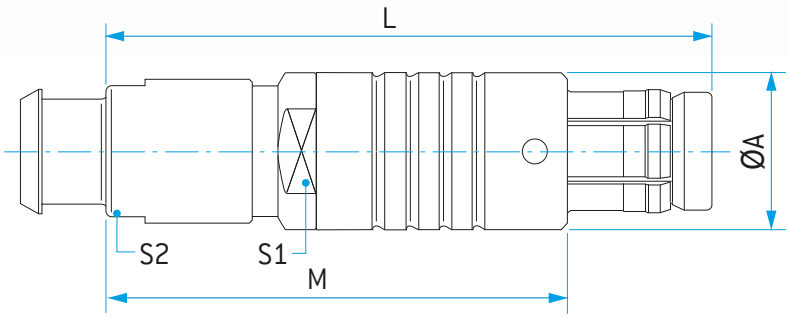
FB - IP50
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
FB		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S1
0	0	37.0	27.0	9.4	8.0	7.0
1	1	46.0	35.0	12.0	10.0	10.0
M	1.5	48.0	38.0	13.0	11.0	12.0
2	2	50.0	38.0	15.0	13.0	13.0
3	3	59.0	44.0	18.0	16.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Straight Plug

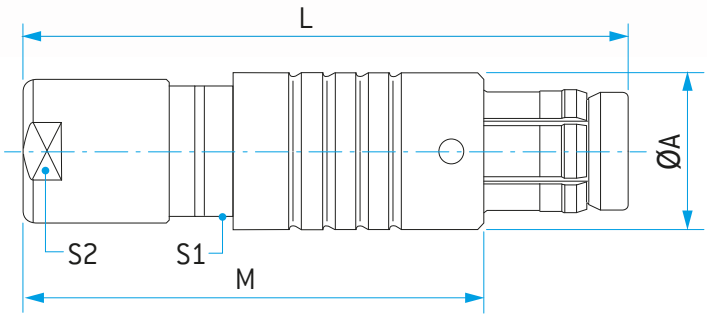
F3 - IP68
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
F3		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	40.0	30.0	9.4	8.0	7.0
1	1	49.0	38.0	12.0	10.0	10.0
M	1.5	50.0	40.0	13.0	11.0	12.0
2	2	53.0	41.0	15.0	13.0	12.0
3	3	61.0	46.0	18.0	16.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Straight Plug

F4 - IP68

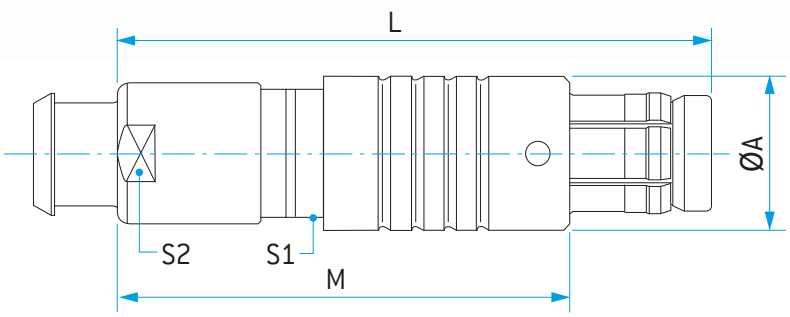
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
F4		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	40.0	30.0	9.4	8.0	7.0
1	1	49.0	38.0	12.0	10.0	10.0
M	1.5	50.0	40.0	13.0	11.0	12.0
2	2	53.0	41.0	15.0	13.0	13.0
3	3	61.0	46.0	18.0	16.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Plug / Panel Mounting

FE - IP50

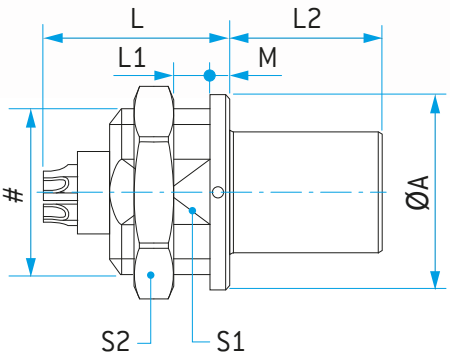
FRONT MOUNTING WITH HEX NUT WITHOUT LOCKING

1	2	3	4	5	6	7	8	9	10
FE		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	M	ø A	S1	S2	#	Panel cut out		
										SW +0.1	ø +0.1	Type
0	0	12.0	4.0	10.0	1.5	10.0	8.2	11.0	M 9 x 0.5	8.3	9.1	A
1	1	15.5	4.0	10.8	1.5	14.0	11.1	14.0	M 12 x 1	11.2	12.1	B
2	2	17.5	3.4	12.0	2.0	18.0	14.1	17.0	M 15 x 1	14.2	15.1	B
3	3	17.0	5.5	15.0	1.2	22.0	15.2	19.0	M 16 x 1	15.3	16.1	B

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Plug / Panel Mounting

FF - IP68

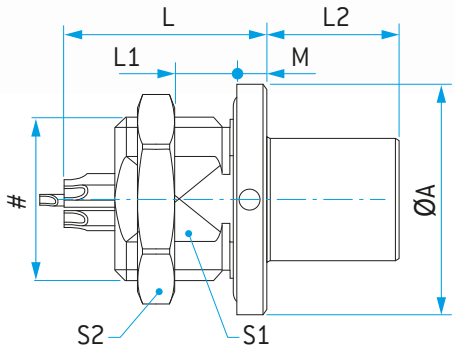
FRONT PANEL-MOUNTED PLUG WITH HEX NUT, WITHOUT LOCKING

1	2	3	4	5	6	7	8	9	10
FF		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	M	ø A	S1	S2	#	Panel cut out		
										SW +0.1	ø +0.1	Type
0	0	14.5	4.5	10.0	3.0	13.0	-	11.0	M 9 x 0.5	-	9.1	C
1	1	18.5	6.5	10.8	2.5	17.0	11.0	14.0	M 12 x 1	11.1	12.1	B
2	2	20.0	7.0	12.0	3.0	22.0	15.2	19.0	M 16 x 1	15.3	16.1	B

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Plug Right-Angled

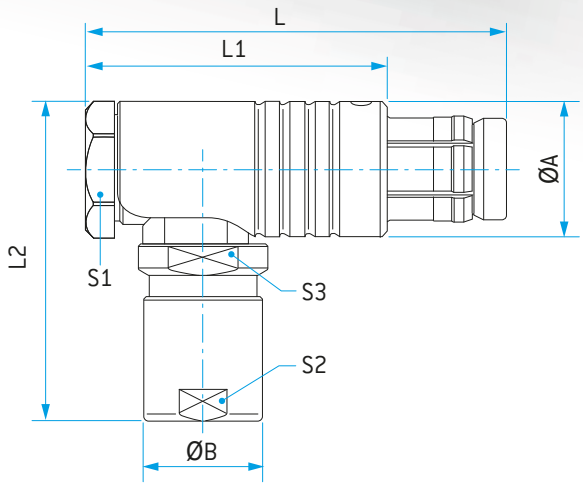
FG - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
FG		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
0	0	33.0	23.0	25.0	10.0	9.0	9.0	7.0	8.0
1	1	37.3	26.5	28.0	12.0	11.0	11.0	10.0	10.0
M	1.5	39.0	29.0	31.0	14.0	13.0	12.0	12.0	11.0
2	2	41.6	29.5	34.5	16.0	14.0	14.0	12.0	13.0
3	3	50.0	35.0	41.0	18.0	17.0	16.0	15.0	16.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



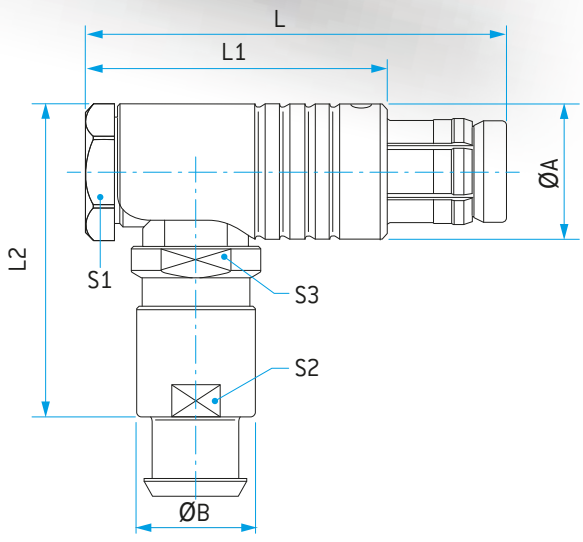
Plug Right-Angled

FH - IP50

WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
FH		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
0	0	33.0	23.0	25.0	10.0	9.0	9.0	7.0	8.0
1	1	37.3	26.5	28.0	12.0	11.0	11.0	10.0	10.0
M	1.5	39.0	29.0	31.0	14.0	13.0	12.0	12.0	11.0
2	2	41.6	29.5	34.5	16.0	14.0	14.0	13.0	13.0
3	3	50.0	35.0	41.0	18.0	17.0	16.0	15.0	16.0



STANDARD CONTACT

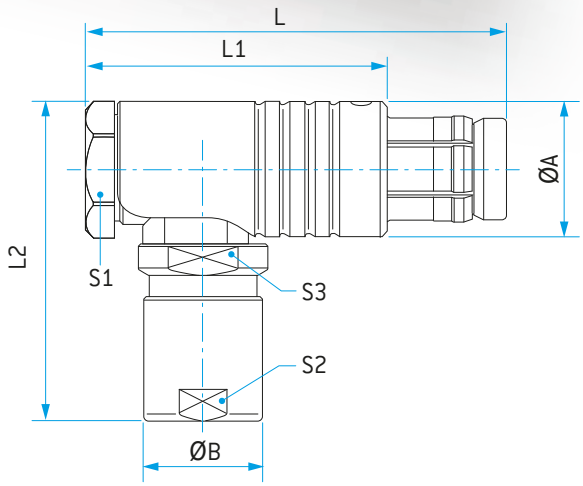
- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

Plug Right-Angled

FY - IP68
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
FY		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
0	0	36.0	26.0	27.0	11.2	9.0	10.0	7.0	8.0
1	1	45.2	34.2	33.0	13.0	11.0	12.0	10.0	10.0
M	1.5	41.5	31.5	34.5	14.5	13.0	13.0	12.0	11.0
2	2	46.3	34.2	36.0	16.0	14.0	14.0	12.0	13.0
3	3	59.7	44.6	41.0	18.0	17.0	16.0	15.0	16.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

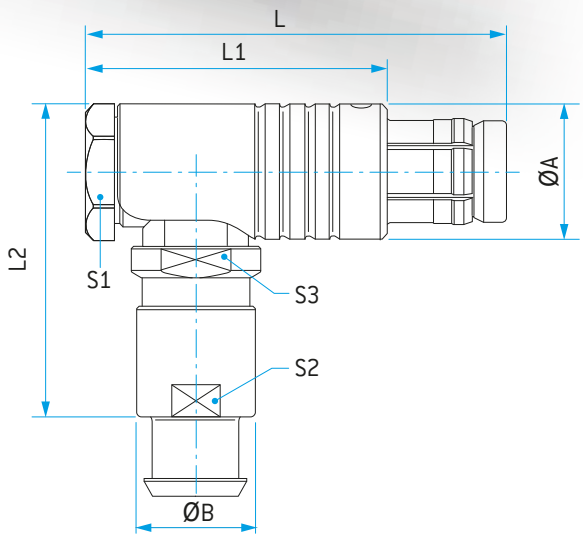
Plug Right-Angled

FZ - IP68

WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
FZ		-				-			

P/N key	Size	Dimensions in mm							
		L	L1	L2	ø A	ø B	S1	S2	S3
0	0	36.0	26.0	27.0	11.2	9.0	10.0	7.0	8.0
1	1	45.2	34.2	33.0	13.0	11.0	12.0	10.0	10.0
M	1.5	41.5	31.5	34.5	14.5	13.0	13.0	12.0	11.0
2	2	46.3	34.2	36.0	16.0	14.0	14.0	13.0	13.0
3	3	59.7	44.6	41.0	18.0	17.0	16.0	15.0	16.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

Break-Away

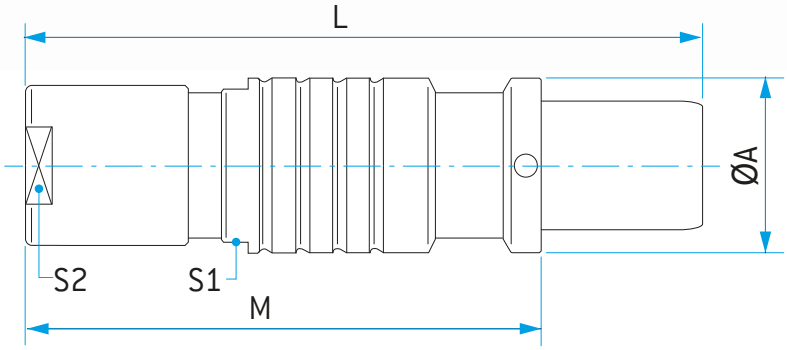
F5 - IP50
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
F5		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	37.0	27.0	9.4	8.0	7.0
1	1	46.0	35.0	12.0	10.0	10.0
2	2	50.0	38.0	15.0	13.0	12.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Break-Away

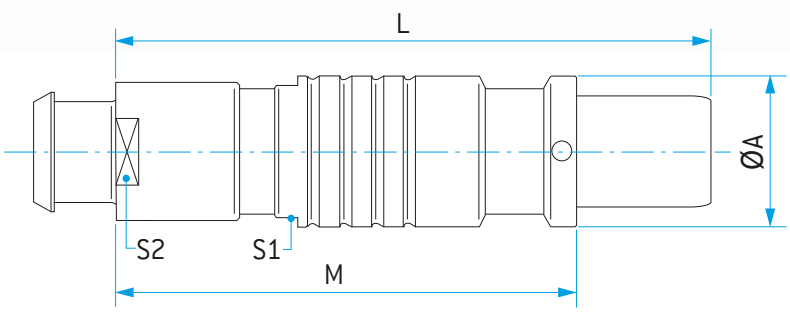
F6 - IP50
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
F6		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	37.0	27.0	9.4	8.0	7.0
1	1	46.0	35.0	12.0	10.0	10.0
2	2	50.0	38.0	15.0	13.0	13.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Break-Away

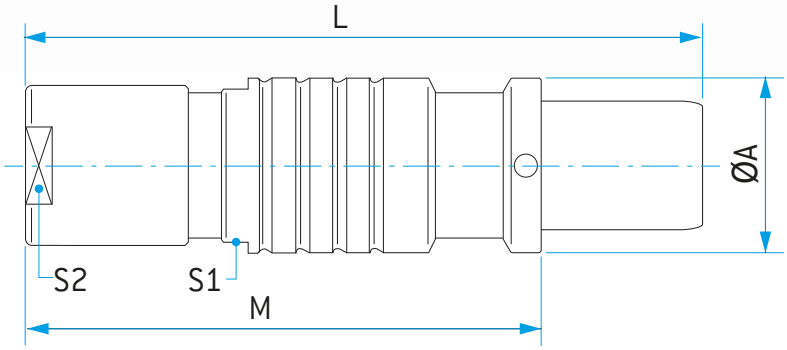
F7 - IP68
WITH BACK NUT

1	2	3	4	5	6	7	8	9	10
F7		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	49.0	38.0	12.0	10.0	10.0
M	1.5	50.0	40.0	13.0	11.0	12.0
3	3	61.0	46.0	18.0	16.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Break-Away

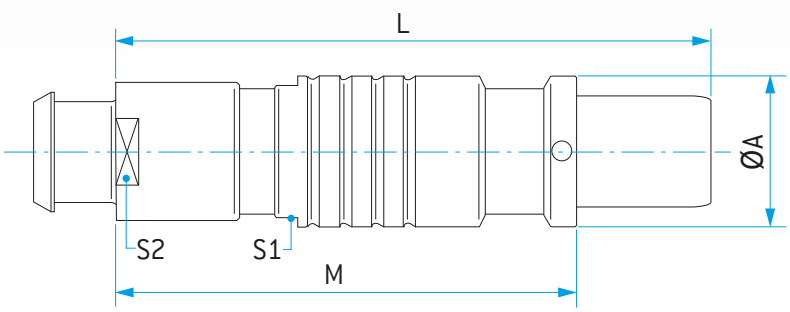
F8 - IP68
WITH BACK NUT FOR CABLE BEND RELIEF

1	2	3	4	5	6	7	8	9	10
F8		-				-			

P/N key	Size	Dimensions in mm				
		L	M	ø A	S1	S2
0	0	49.0	38.0	12.0	10.0	10.0
M	1.5	50.0	40.0	13.0	11.0	12.0
3	3	61.0	46.0	18.0	16.0	15.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Short Push-Pull Plug

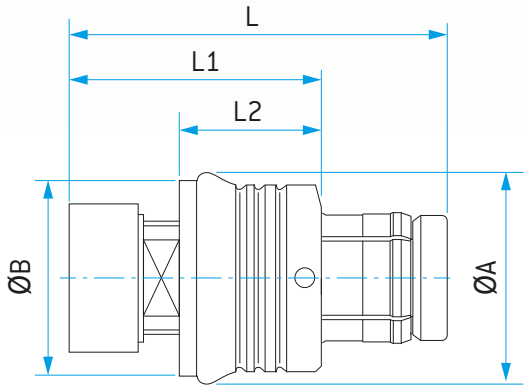
F1 - IP68
WITH LOCKING

1	2	3	4	5	6	7	8	9	10
F1		-				-			

P/N key	Size	Dimensions in mm					
		L	L1	L2	ø A	ø B	Max Cable ø
0	0	28.0	18.0	10.5	13.0	11.9	5.0
1	1	32.7	22.0	12.5	15.0	13.9	6.5
M	1.5	32.5	23.0	13.0	15.7	14.5	8.8
2	2	34.3	22.6	13.0	19.0	17.6	10.0
3	3	38.4	23.3	13.8	23.9	21.9	12.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Short Push-Pull Plug

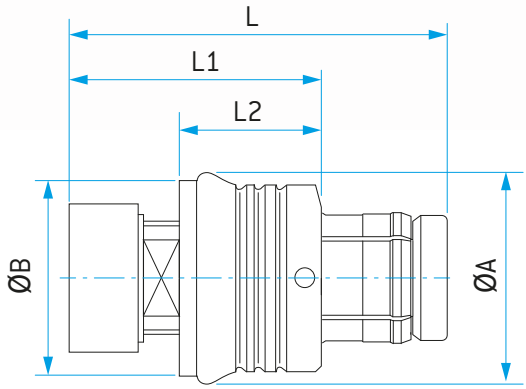
F2 - IP68
WITHOUT LOCKING

1	2	3	4	5	6	7	8	9	10
F2		-				-			

P/N key	Size	Dimensions in mm					
		L	L1	L2	ø A	ø B	Max Cable ø
0	0	28.0	18.0	10.5	13.0	11.9	5.0
1	1	32.7	22.0	12.5	15.0	13.9	6.5
2	2	34.3	22.6	13.0	19.0	17.6	10.0

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

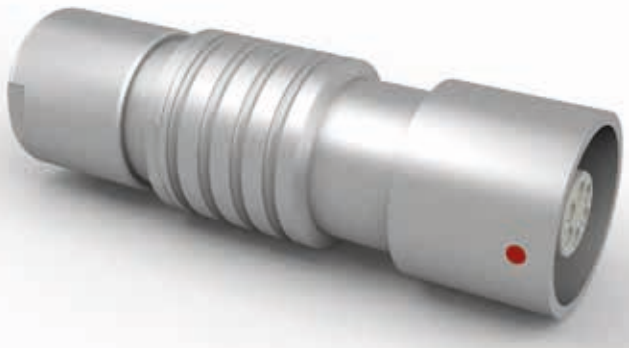


In-Line Receptacle

FI - IP50
WITH BACK NUT

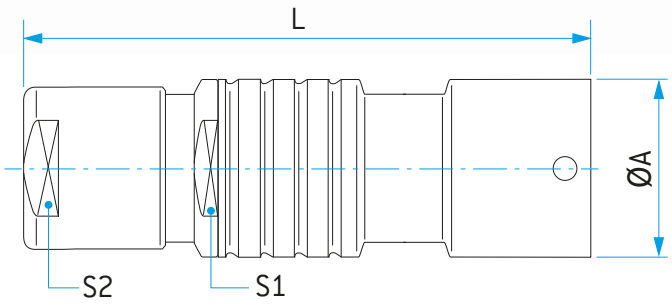
1	2	3	4	5	6	7	8	9	10
FI		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
0	0	35.0	9.4	8.0	7.0
1	1	44.0	12.0	10.0	10.0
2	2	48.0	15.0	13.0	12.0
3	3	58.0	18.0	16.0	15.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

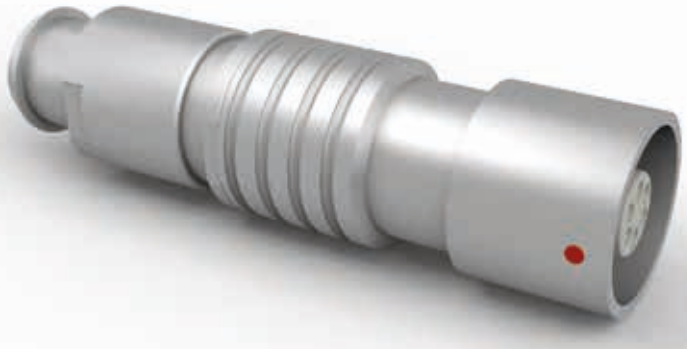


In-Line Receptacle

FJ - IP50
WITH BACK NUT FOR CABLE BEND RELIEF

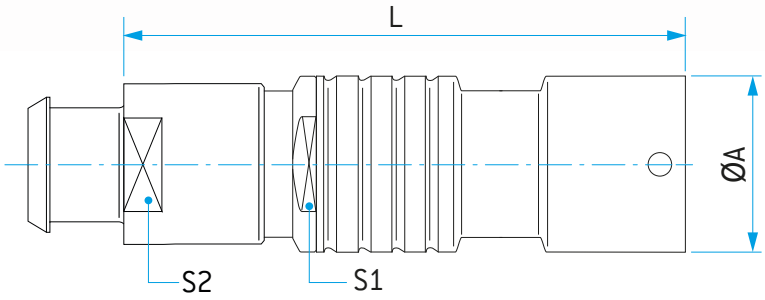
1	2	3	4	5	6	7	8	9	10
FJ		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
0	0	35.0	9.4	8.0	7.0
1	1	44.0	12.0	10.0	10.0
2	2	48.0	15.0	13.0	13.0
3	3	58.0	18.0	16.0	15.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

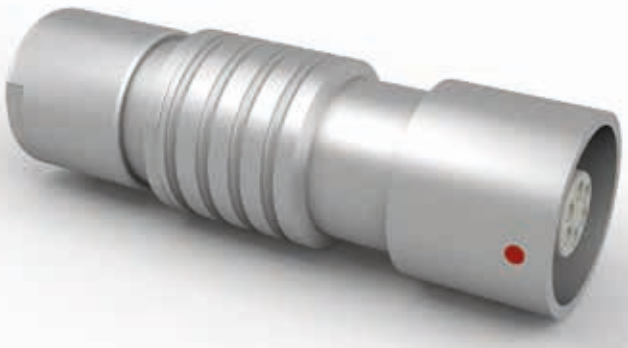


In-Line Receptacle

FP - IP68
WITH BACK NUT

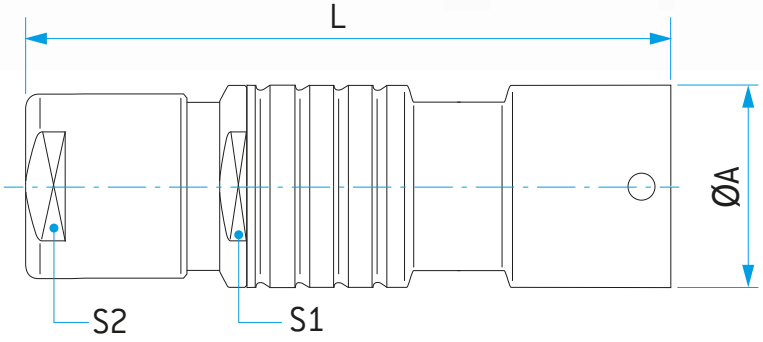
1	2	3	4	5	6	7	8	9	10
FP		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
0	0	38.0	10.0	8.0	7.0
1	1	47.0	13.0	10.0	10.0
2	2	51.0	16.0	13.0	12.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request

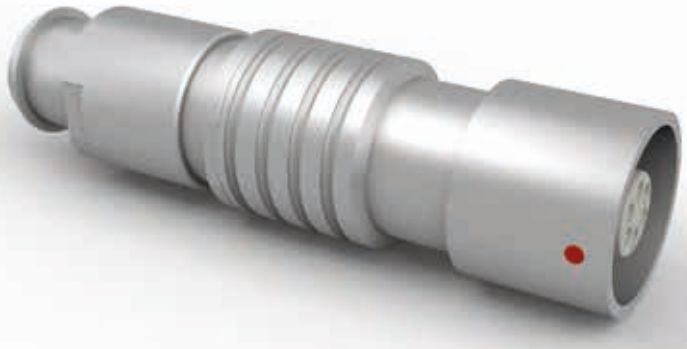


In-Line Receptacle

FQ - IP68
WITH BACK NUT FOR CABLE BEND RELIEF

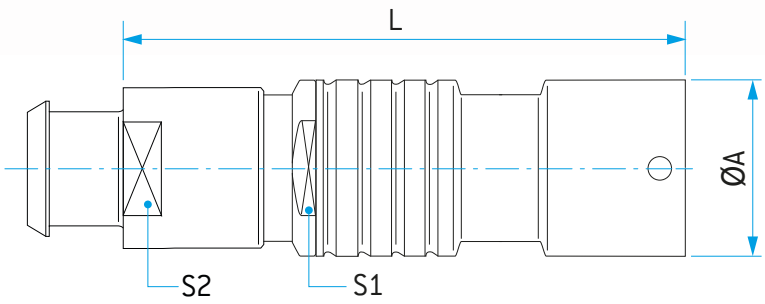
1	2	3	4	5	6	7	8	9	10
FQ		-				-			

P/N key	Size	Dimensions in mm			
		L	ø A	S1	S2
0	0	38.0	10.0	8.0	7.0
1	1	47.0	13.0	10.0	10.0
2	2	51.0	16.0	13.0	13.0



STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

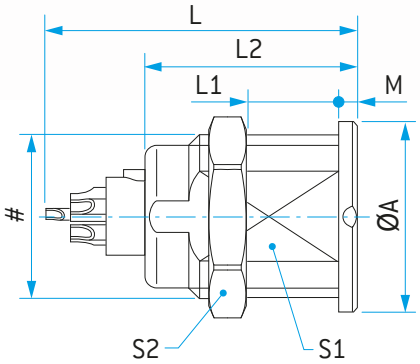
FK - IP50
FRONT MOUNTING

1	2	3	4	5	6	7	8	9	10
FK		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	#	ø A	S1	S2	M	Panel cut out		
										SW +0.1	ø +0.1	Type
0	0	20.0	9.0	14.5	M 9 x 0.5	10.0	8.2	11.0	1.5	8.3	9.1	A
1	1	24.0	8.0	16.5	M 12 x 1	14.0	10.0	14.0	1.5	10.1	12.1	A
M	1.5	25.0	8.0	15.5	M 14 x 1	16.0	12.0	17.0	2.0	12.1	14.1	D
2	2	27.0	10.0	18.5	M 15 x 1	18.0	14.1	17.0	2.0	14.2	15.1	B
3	3	30.5	13.0	22.5	M 18 x 1	22.0	16.5	22.0	2.0	16.6	18.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

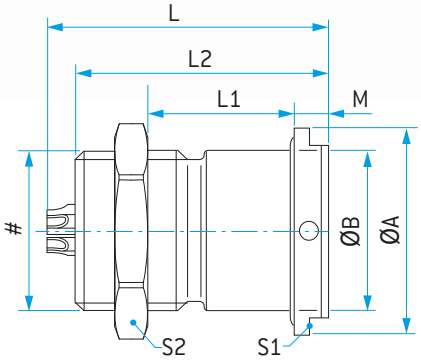
FM - IP68
FRONT MOUNTING WITHOUT ANTI-ROTATION

1	2	3	4	5	6	7	8	9	10
FM		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	L2	#	ø A	ø B	S1	S2	M	Panel cut out	
											ø +0.1	Type
0	0	22.5	8.0	18.5	M 9 x 0.5	14.5	10.0	11.0	11.0	3.0	10.1	C
1	1	27.0	9.0	22.5	M 14 x 1	18.0	14.0	14.0	17.0	3.0	14.1	C
M	1.5	27.0	8.0	21.6	M 14 x 1	19.0	14.0	15.0	17.0	3.5	14.1	C
2	2	29.5	9.0	23.0	M 16 x 1	22.0	16.0	17.0	19.0	4.0	16.1	C
3	3	32.0	12.0	26.5	M 20 x 1	26.0	20.0	24.0	25.0	4.0	20.1	C

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

FL - IP50

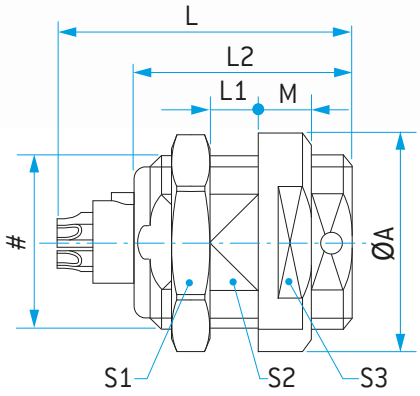
FRONT OR REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT

1	2	3	4	5	6	7	8	9	10
FL		-				-			

P/N key	Size	Dimensions in mm											
		L	L1	L2	#	ø A	S1	S2	S3	M	Panel cut out		
											SW +0.1	ø +0.1	Type
0	0	20.0	8.0	14.5	M 9 x 0.5	11.5	11.0	8.0	10.0	2.5	8.1	9.1	A
1	1	24.0	8.0	16.5	M 12 x 1	15.0	14.0	10.0	13.0	4.0	10.1	12.1	A
M	1.5	25.0	7.0	15.5	M 14 x 1	19.0	17.0	12.0	17.0	3.0	12.1	14.1	A
2	2	27.0	10.0	18.5	M 15 x 1	20.0	17.0	13.5	17.0	4.0	13.6	15.1	A
3	3	30.5	12.0	22.5	M 18 x 1	23.0	22.0	16.5	20.0	5.0	16.6	18.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

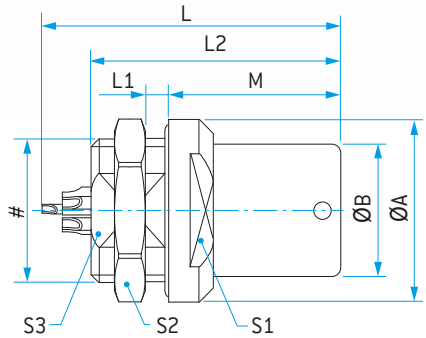
FO - IP68
FRONT MOUNTING WITH SHALLOW INSTALLATION DEPTH

1	2	3	4	5	6	7	8	9	10
FO		-				-			

P/N key	Size	Dimensions in mm												
		L	L1	L2	#	ø A	ø B	S1	S2	S3	M	Panel cut out		
												SW +0.1	ø +0.1	Type
0	0	22.5	4.0	17.5	M 9 x 0.5	14.5	10.5	12.0	11.0	8.2	11.0	8.3	9.1	A
1	1	27.0	4.0	22.5	M 14 x 1	18.0	13.0	14.0	17.0	12.0	15.5	12.1	14.1	A
M	1.5	28.0	5.0	21.6	M 14 x 1	19.0	13.5	15.0	17.0	12.0	13.6	12.1	14.1	A
2	2	32.0	4.5	23.0	M 16 x 1	21.0	16.0	17.0	19.0	14.0	15.5	14.1	16.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

FN - IP68

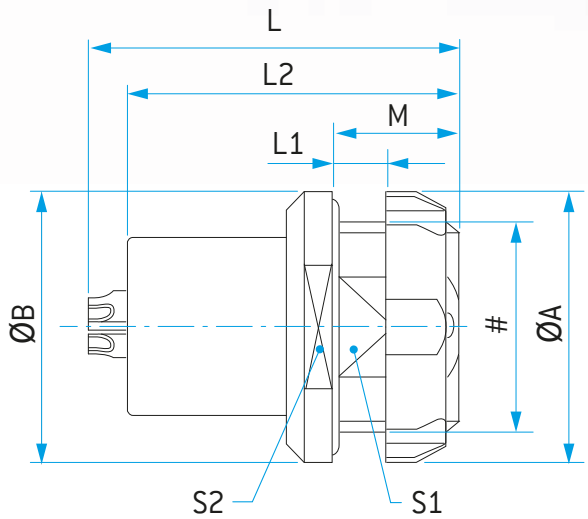
REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT

1	2	3	4	5	6	7	8	9	10
FN		-				-			

P/N key	Size	Dimensions in mm											
		L	L1	L2	#	ø A	ø B	S1	S2	M	Panel cut out		
											SW +0.1	ø +0.1	Type
0	0	22.5	3.5	17.0	M 9 x 0.5	12.0	14.0	8.2	11.0	6.5	8.3	9.1	D
1	1	27.5	4.0	21.0	M 14 x 1	18.0	18.0	12.0	-	8.0	12.1	14.1	A
M	1.5	27.0	3.0	19.5	M 14 x 1	18.0	19.0	12.0	-	7.0	12.1	14.1	D
2	2	29.5	3.0	23.0	M 16 x 1	22.0	21.0	14.3	-	8.0	14.4	16.1	A
3	3	32.0	6.0	26.5	M 20 x 1	25.0	26.0	18.0	-	11.0	18.1	20.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

FR - IP50

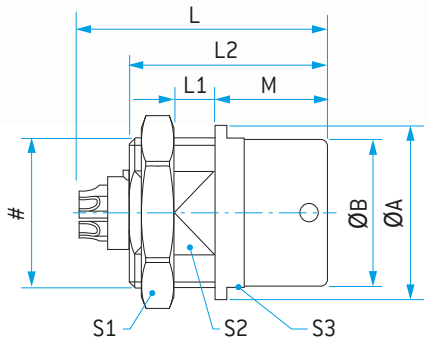
FRONT MOUNTING WITH SHALLOW INSTALLATION WITH OPTIMAL DISTANCE ADJUSTMENT

1	2	3	4	5	6	7	8	9	10
FR		-				-			

P/N key	Size	Dimensions in mm											
		L	L1	L2	#	ø A	ø B	S1	S2	S3	M	Panel cut out	
												SW +0.1	ø +0.1	Type
0	0	20.0	3.0	16.0	M 9 x 0.5	11.0	9.0	11.0	8.2	-	11.0	8.3	9.1	A
1	1	24.0	4.5	17.5	M 12 x 1	14.0	11.7	14.0	10.0	12.0	10.0	10.1	12.1	A
M	1.5	26.0	5.0	17.0	M 14 x 1	18.0	13.5	17.0	12.0	15.0	10.0	12.1	14.1	A
2	2	27.0	5.5	19.5	M 16 x 1	19.0	16.0	19.0	13.5	17.0	11.0	13.6	16.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle

FS - IP50

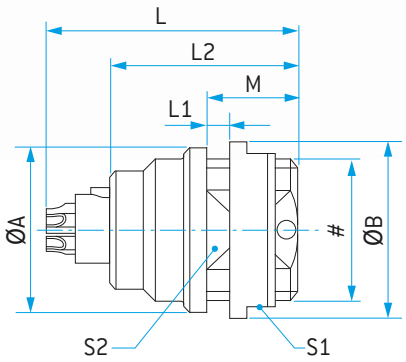
REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH

1	2	3	4	5	6	7	8	9	10
FS		-				-			

P/N key	Size	Dimensions in mm											
		L	L1	L2	#	ø A	ø B	S1	S2	M	Panel cut out		
											SW +0.1	ø +0.1	Type
0	0	20.0	3.0	14.5	9 x 0.5	11.0	11.5	10.0	8.0	6.5	8.1	9.1	A
1	1	24.0	4.0	16.5	12 x 1	14.0	15.0	13.0	11.0	8.0	11.1	12.1	B
2	2	27.0	5.0	18.5	15 x 1	19.0	20.0	17.0	14.0	9.0	14.1	15.1	B
3	3	30.5	12.0	22.5	18 x 1	22.0	23.0	20.0	17.2	17.0	17.3	18.1	B

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle Right-Angled PCB Contacts

FU - IP50

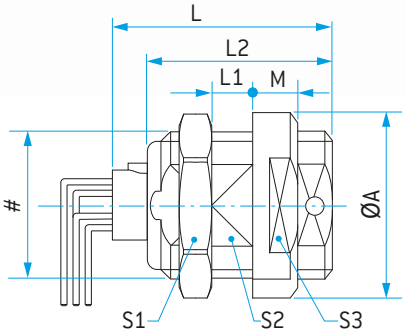
REAR MOUNTING WITH OPTIMAL DISTANCE ADJUSTMENT TYPE “FL”

1	2	3	4	5	6	7	8	9	10
FU		-				-			

P/N key	Size	Dimensions in mm											
		L	L1	L2	#	ø A	S1	S2	S3	M	Panel cut out		
											SW +0.1	ø +0.1	Type
0	0	20.0	8.0	14.5	M 9 x 0.5	11.5	11.0	8.0	10.0	2.5	8.1	9.1	A
1	1	24.0	8.0	16.5	M 12 x 1	15.0	14.0	10.0	13.0	4.0	10.1	12.1	A
M	1.5	25.0	7.0	15.5	M 14 x 1	19.0	17.0	12.0	17.0	3.0	12.1	14.1	A
2	2	27.0	10.0	18.5	M 15 x 1	20.0	17.0	13.5	17.0	4.0	13.6	15.1	A
3	3	30.5	12.0	22.5	M 18 x 1	23.0	22.0	16.5	20.0	5.0	16.6	18.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle Right-Angled PCB Contacts

FV - IP68

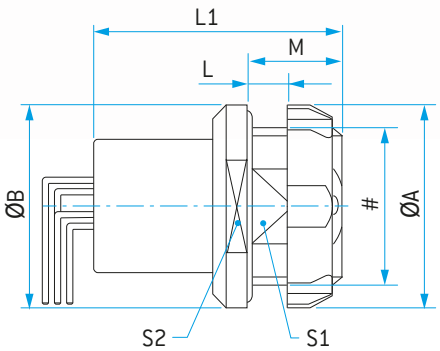
REAR MOUNTING WITH INCREASED INSTALLATION DEPTH AND PROPRIETARY JAM NUT TYPE "FN"

1	2	3	4	5	6	7	8	9	10
FV		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	#	ø A	ø B	S1	S2	M	Panel cut out		
										SW +0.1	ø +0.1	Type
0	0	3.5	17.0	M 9 x 0.5	12.0	14.0	8.2	11.0	6.5	8.3	9.1	D
1	1	4.0	21.0	M 14 x 1	18.0	18.0	12.0	-	8.0	12.1	14.1	A
M	1.5	3.0	19.5	M 14 x 1	18.0	19.0	12.0	-	7.0	12.1	14.1	D
2	2	3.0	23.0	M 16 x 1	22.0	21.0	14.3	-	8.0	14.4	16.1	A
3	3	6.0	26.5	M 20 x 1	25.0	26.0	18.0	-	11.0	18.1	20.1	A

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Receptacle Right-Angled PCB Contacts

FX - IP50

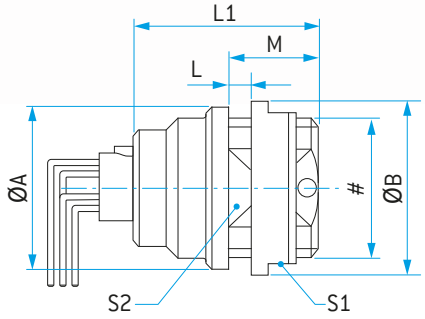
REAR MOUNTING WITH SHALLOW INSTALLATION DEPTH TYPE "FS"

1	2	3	4	5	6	7	8	9	10
FX		-				-			

P/N key	Size	Dimensions in mm										
		L	L1	#	ø A	ø B	S1	S2	M	Panel cut out		
										SW +0.1	ø +0.1	Type
0	0	3.0	14.5	9 x 0.5	11.0	11.5	10.0	8.0	6.5	8.1	9.1	A
1	1	4.0	16.5	12 x 1	14.0	15.0	13.0	11.0	8.0	11.1	12.1	B
2	2	5.0	18.5	15 x 1	19.0	20.0	17.0	14.0	9.0	14.1	15.1	B
3	3	12.0	22.5	18 x 1	22.0	23.0	20.0	17.2	17.0	17.3	18.1	B

STANDARD CONTACT

- Possible configurations and technical indications: see pages 118 to 124
- Accessories: see pages 127 to 136
- Cable assembly information available on request



Contact inserts and technical information

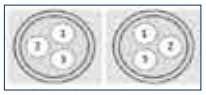
2 POSITIONS

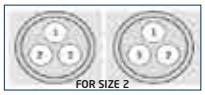
1	2	3	4	5	6	7	8	9	10
	02	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,55	1,65	20
					20	0,5	K	1,1			14
		SOLDER PIN	S		18	1,0	L	1,4			20
					20	0,5	K	1,1			14
		PCB SOCKET	U		-	-	Q	0,7			14
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,7	2,1	17
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	R	0,9			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	3,0	10	4,0	O	2,7	0,6	1,8	22
		SOLDER PIN	S								

3 POSITIONS

1	2	3	4	5	6	7	8	9	10
	03	-				-			

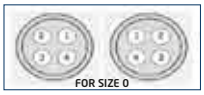


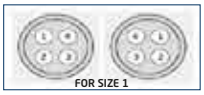


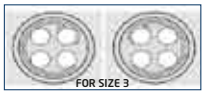
DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,4	1,2	10
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,333	1,0	20
					20	0,5	K	1,1	0,5	1,5	14
		SOLDER PIN	S		18	1,0	L	1,4	0,333	1,0	20
					20	0,5	K	1,1	0,5	1,5	14
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	14
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,6	1,8	17
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	R	0,9			
		PCB PIN	V								

4 POSITIONS

1	2	3	4	5	6	7	8	9	10
	04	-				-			





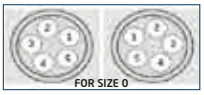


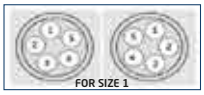
DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6			7
		SOLDER PIN	S		22	0,38	J	0,85			10
					26	0,15	H	0,6			7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-			10
					28 - 32	0,09 - 0,04	A				7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-			10
					28 - 32	0,09 - 0,04	A				7
		PCB SOCKET	U		-	-	O	0,5			7
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S								
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,5	1,5	10
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,5	1,5	10
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	10
		PCB PIN	V								
3	3	SOLDER SOCKET	P	2,0	12	2,5	N	2,4	0,55	1,65	31
					14	1,5	M	1,85			22
		SOLDER PIN	S		12	2,5	N	2,4			31
					14	1,5	M	1,85			22
		PCB SOCKET	U		-	-	Q	0,7			22
		PCB PIN	V								

Contact inserts and technical information

5 POSITIONS

1	2	3	4	5	6	7	8	9	10
	05	-				-			

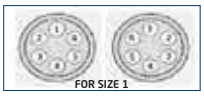


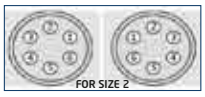


DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,2	0,6	10
					26	0,15	H	0,6	0,366	1,1	7
		SOLDER PIN	S		22	0,38	J	0,85	0,2	0,6	10
					26	0,15	H	0,6	0,366	1,1	7
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	7
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,45	1,35	10
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,45	1,35	10
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,45	1,35	10
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,45	1,35	10
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	10
		PCB PIN	V								
2	2	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	20
					20	0,5	K	1,1	0,5	1,5	14
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	20
					20	0,5	K	1,1	0,5	1,5	14
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,366	1,1	20
					20 - 24	0,5 - 0,25	C		0,5	1,5	14
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,366	1,1	20
					20 - 24	0,5 - 0,25	C		0,5	1,5	14
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	14
		PCB PIN	V								

6 POSITIONS

1	2	3	4	5	6	7	8	9	10
	06	-				-			



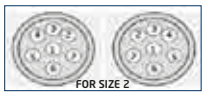


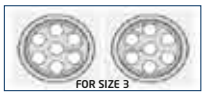
DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,65	0,4	1,2	7
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,65	0,4	1,2	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,4	1,2	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,4	1,2	7
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	7
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,5	1,5	13
					22	0,38	J	0,85	0,6	1,8	10
		SOLDER PIN	S		20	0,5	K	1,1	0,5	1,5	13
					22	0,38	J	0,85	0,6	1,8	10
		PCB SOCKET	U		-	-	Q	0,7	0,6	1,8	10
		PCB PIN	V								

Contact inserts and technical information

7 POSITIONS

1	2	3	4	5	6	7	8	9	10
	07	-				-			

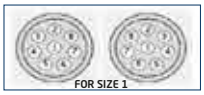





DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	J	0,4	0,3	0,9	4
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,65	0,4	1,2	7
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,65	0,4	1,2	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,4	1,2	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,4	1,2	7
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	7
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,3	0,9	13
					22	0,38	J	0,85	0,55	1,65	10
		SOLDER PIN	S		20	0,5	K	1,1	0,3	0,9	13
					22	0,38	J	0,85	0,55	1,65	10
		PCB SOCKET	U		-	-	Q	0,7	0,55	1,65	10
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,6	18	1,0	L	1,4	0,6	1,8	17
		SOLDER PIN	S								
		CRIMP SOCKET	D		14 - 18	1,5 - 1,0	F	-			27
					18 - 20	1,0 - 0,5	E				17
		CRIMP PIN	T		14 - 18	1,5 - 1,0	F	-			27
					18 - 20	1,0 - 0,5	E				17
		PCB SOCKET	U		-	-	Q	0,7			17
		PCB PIN	V								

8 POSITIONS

1	2	3	4	5	6	7	8	9	10
	08	-				-			



DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,65	0,333	1,0	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,65	0,333	1,0	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	7
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,3	0,9	13
					22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S		20	0,5	K	1,1	0,3	0,9	13
					22	0,38	J	0,85	0,5	1,5	10
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	10
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,45	1,35	20
					20	0,5	K	1,1	0,55	1,65	14
		SOLDER PIN	S		18	1,0	L	1,4	0,45	1,35	20
					20	0,5	K	1,1	0,55	1,65	14
		CRIMP SOCKET	D		18 - 20	1,0 - 0,5	E	-	0,45	1,35	20
					20 - 24	0,5 - 0,25	C		0,55	1,65	14
		CRIMP PIN	T		18 - 20	1,0 - 0,5	E	-	0,45	1,35	20
					20 - 24	0,5 - 0,25	C		0,55	1,65	14
		PCB SOCKET	U		-	-	Q	0,7	0,55	1,65	14
		PCB PIN	V								

Contact inserts and technical information

HIGH SPEED DATA TRANSMISSION

1	2	3	4	5	6	7	8	9	10
	08	-				-			

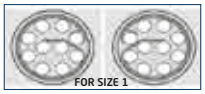
DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,9	22	0,8	J	0,85	0,4	1,2	10
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								

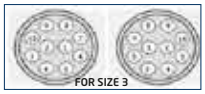
9 POSITIONS

1	2	3	4	5	6	7	8	9	10
	09	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
0	0	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,2	0,6	4
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								

10 POSITIONS





1	2	3	4	5	6	7	8	9	10
	10	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	26	0,15	H	0,65	0,2	0,6	6
					28	0,08	G	0,45	0,333	1,0	4
		SOLDER PIN	S		26	0,15	H	0,65	0,2	0,6	6
					28	0,08	G	0,45	0,333	1,0	4
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	4
		PCB PIN	V								
1.5	M	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	1,0	10
					26	0,15	H	0,6	0,4	1,2	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	1,0	10
					26	0,15	H	0,6	0,4	1,2	7
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	7
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,3	0,9	13
					22	0,38	J	0,85	0,5	1,5	10
		SOLDER PIN	S		20	0,5	K	1,1	0,3	0,9	13
					22	0,38	J	0,85	0,5	1,5	10
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,3	0,9	13
					22 - 26	0,38 - 0,15	B		0,5	1,5	10
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,3	0,9	13
					22 - 26	0,38 - 0,15	B		0,5	1,5	10
		PCB SOCKET	U		-	-	Q	0,7	0,5	1,5	10
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,366	1,1	20
					20	0,5	K	1,1	0,45	1,35	14
		SOLDER PIN	S		18	1,0	L	1,4	0,366	1,1	20
					20	0,5	K	1,1	0,45	1,35	14
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	14
		PCB PIN	V								

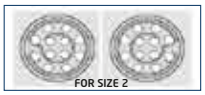
11 POSITIONS

1	2	3	4	5	6	7	8	9	10
	11	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,9	22	0,38	J	0,85	0,45	1,35	10
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	Q	0,7			
		PCB PIN	V								

Contact inserts and technical information

12 POSITIONS



1	2	3	4	5	6	7	8	9	10
	12	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,366	1,1	4
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
1.5	M	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	1,0	10
					26	0,15	H	0,6	0,4	1,2	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	1,0	10
					26	0,15	H	0,6	0,4	1,2	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	1,0	10
					28 - 32	0,09 - 0,04	A		0,4	1,2	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	1,0	10
					28 - 32	0,09 - 0,04	A		0,4	1,2	7
		PCB SOCKET	U		-	-	O	0,5	0,4	1,2	7
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,4	1,2	10
					26	0,15	H	0,6	0,45	1,35	7
		SOLDER PIN	S		22	0,38	J	0,85	0,4	1,2	10
					26	0,15	H	0,6	0,45	1,35	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,4	1,2	10
					28 - 32	0,09 - 0,04	A		0,45	1,35	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,4	1,2	10
					28 - 32	0,09 - 0,04	A		0,45	1,35	7
		PCB SOCKET	U		-	-	O	0,5	0,45	1,35	7
		PCB PIN	V								
3	3	SOLDER SOCKET	P	1,3	18	1,0	L	1,4	0,333	1,0	20
					20	0,5	K	1,1	0,45	1,35	14
		SOLDER PIN	S		18	1,0	L	1,4	0,333	1,0	20
					20	0,5	K	1,1	0,45	1,35	14
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	14
		PCB PIN	V								

14 POSITIONS

1	2	3	4	5	6	7	8	9	10
	14	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1	1	SOLDER SOCKET	P	0,5	28	0,08	G	0,45	0,3	0,9	4
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,45	1,35	10
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,45	1,35	10
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,45	1,35	10
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,45	1,35	10
		PCB SOCKET	U		-	-	Q	0,7	0,45	1,35	10
		PCB PIN	V								

15 POSITIONS

1	2	3	4	5	6	7	8	9	10
	15	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,366	1,1	10
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,366	1,1	10
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,366	1,1	10
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,366	1,1	10
		PCB SOCKET	U		-	-	Q	0,7	0,366	1,1	10
		PCB PIN	V								

Contact inserts and technical information

16 POSITIONS

1	2	3	4	5	6	7	8	9	10
	16	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,366	1,1	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,366	1,1	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,366	1,1	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,366	1,1	7
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	7
		PCB PIN	V								

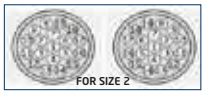
18 POSITIONS

1	2	3	4	5	6	7	8	9	10
	18	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,9	20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,366	1,1	10
		SOLDER PIN	S		20	0,5	K	1,1	0,333	1,0	13
					22	0,38	J	0,85	0,366	1,1	10
		CRIMP SOCKET	D		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,366	1,1	10
		CRIMP PIN	T		20 - 24	0,5 - 0,25	C	-	0,333	1,0	13
					22 - 26	0,38 - 0,15	B		0,366	1,1	10
		PCB SOCKET	U		-	-	Q	0,7	0,366	1,1	10
		PCB PIN	V								

19 POSITIONS

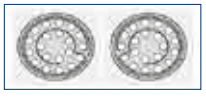
1	2	3	4	5	6	7	8	9	10
	19	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
1.5	M	SOLDER SOCKET	P	0,5	28	0,08	G	0,4	0,333	1,0	4
		SOLDER PIN	S								
		PCB SOCKET	U		-	-	O	0,5			
		PCB PIN	V								
2	2	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	7
		PCB PIN	V								

20 POSITIONS

1	2	3	4	5	6	7	8	9	10
	20	-				-			



DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,6	0,366	1,1	7
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,6	0,366	1,1	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,366	1,1	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,366	1,1	7
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	7
		PCB PIN	V								

Contact inserts and technical information

22 POSITIONS

1	2	3	4	5	6	7	8	9	10
	22	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,6	0,366	1,1	7
		SOLDER PIN	S		22	0,38	J	0,85	0,333	1,0	10
					26	0,15	H	0,6	0,366	1,1	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,366	1,1	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,333	1,0	10
					28 - 32	0,09 - 0,04	A		0,366	1,1	7
		PCB SOCKET	U		-	-	O	0,5	0,366	1,1	7
		PCB PIN	V								

24 POSITIONS

1	2	3	4	5	6	7	8	9	10
	24	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	7
		PCB PIN	V								

26 POSITIONS

1	2	3	4	5	6	7	8	9	10
	26	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	7
		PCB PIN	V								

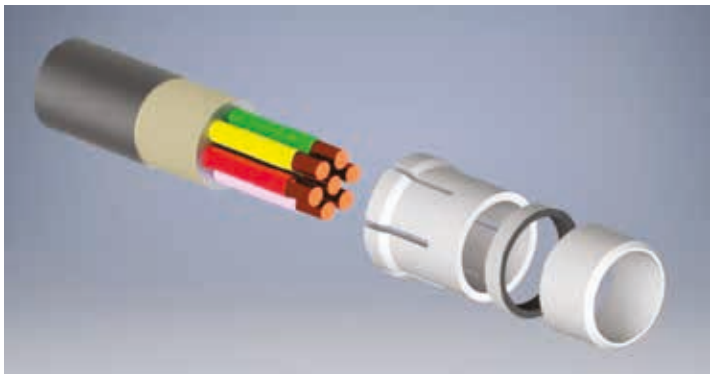
27 POSITIONS

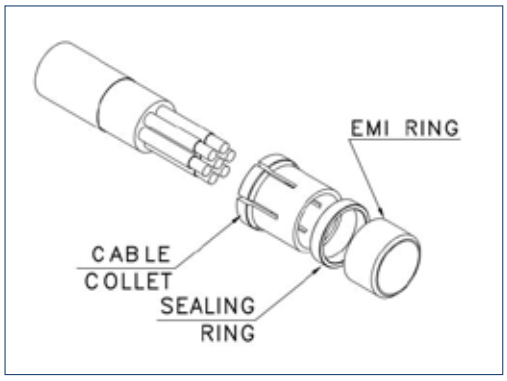
1	2	3	4	5	6	7	8	9	10
	27	-				-			

DIMENSION		TYPE OF CONTACT		CONTACT ø	TERMINATION CROSS-SECTION			TERMINATION DIAMETER	NOMINAL VOLTAGE	TEST VOLTAGE	SINGLE CONTACT NOMINAL CURRENT
SIZE	P/N KEY	DESCRIPTION	P/N KEY	mm	AWG	mm²	P/N KEY	mm	kVrms	kVeff	A
3	3	SOLDER SOCKET	P	0,7	22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		SOLDER PIN	S		22	0,38	J	0,85	0,3	0,9	10
					26	0,15	H	0,6	0,333	1,0	7
		CRIMP SOCKET	D		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		CRIMP PIN	T		22 - 26	0,38 - 0,15	B	-	0,3	0,9	10
					28 - 32	0,09 - 0,04	A		0,333	1,0	7
		PCB SOCKET	U		-	-	O	0,5	0,333	1,0	7
		PCB PIN	V								

CABLE COLLET SYSTEM

Cable collet for strain relief, EMI Shielding Ring





1	2	3	4	5	6	7	8	9	10
		-				-			

P/N key		Cable diameter mm	Size 0	1	1.5	2	3
1	5	1 - 1.5	○	•			
2	0	1.5 - 2	•	•			
2	5	2 - 2.5	•	•		○	
3	0	2.5 - 3	•	•	○	•	
3	5	3 - 3.5	•	•	•	•	•
4	0	3.5 - 4	•	•	•	•	•
4	5	4 - 4.5	•	•	•	•	•
5	0	4.5 - 5	•	•	•	•	•
5	5	5 - 5.5		•	•	•	•
6	0	5.5 - 6		•	•	•	•
6	5	6 - 6.5		•	•	•	•
7	0	6.5 - 7		•	•		•
7	5	7 - 7.5		○	•	•	•
8	0	7.5 - 8				•	•
8	5	8 - 8.5				•	•
9	0	8.5 - 9				•	•
9	5	9 - 9.5				○	•
0	1	9.5 - 10					•
0	2	10 - 10.5					•
0	3	10.5 - 11.5					○
0	0	without cable collet system (on request)					

- • available for IP50 and IP68
- ○ available for IP50

Standard Coding keys

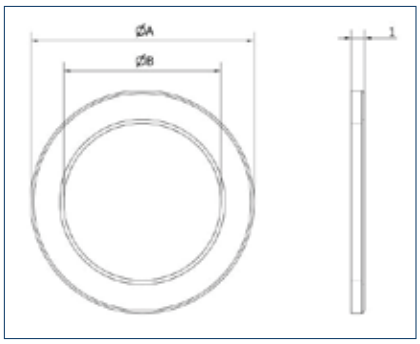
1	2	3	4	5	6	7	8	9	10
		-				-			

P/N key	Receptacle Front View	Size 0	1	1.5	2	3
A		•	•	•	•	•
B		•	•			
B				•	•	•
C		○			○	○
C			○			
C				○	○	○

- • Standard
- ○ On request

Accessories

COLOR CODING RINGS: CONDUCTIVE MOUNTING



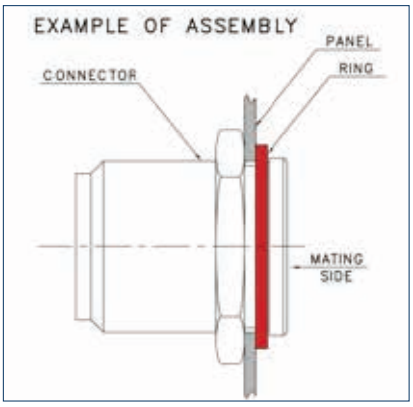
Material: Plastic PA66.

Table1: CPE Code Table			
Thread	**P/N key**	**Ø A mm**	**Ø B mm**
M9	**LCM09xx**	13.5	9.1
M10	**LCM10xx**	16.5	10.1
M12	**LCM12xx**	17	12.1
M14	**LCM14xx**	20	14.1
M15	**LCM15xx**	22	15.1
M16	**LCM16xx**	23	16.1
M18	**LCM18xx**	25	18.1
M20	**LCM20xx**	28	20.1

xx is the Color Code from Table2 (Color Code Table)

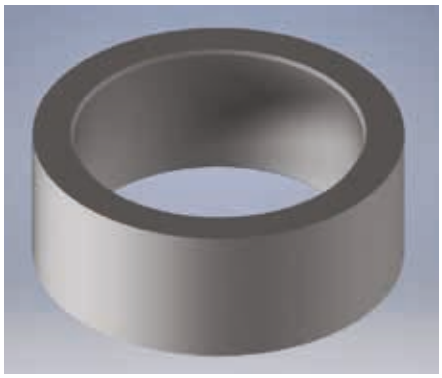
Example: LCM09RD – COLOUR CODING RING CONDUCTIVE MOUNTING M9 Red

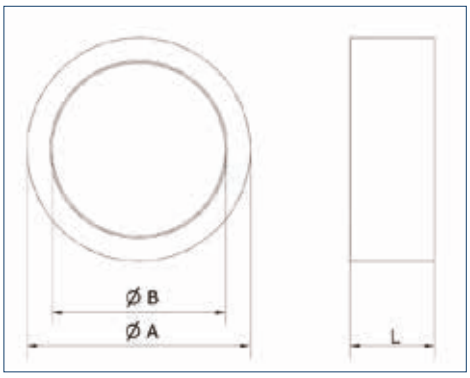
Table2: Color Code Table		
Color code	**Color**	**RAL no. (similar)**
RD	Red	3020
WE	White	9010
YW	Yellow	1016
GN	Green	6029
BE	Blue	5002
GY	Grey	7005
BK	Black	9005



Accessories

DISTANCE RINGS FOR ADJUSTMENT OF WALL-THICKNESS



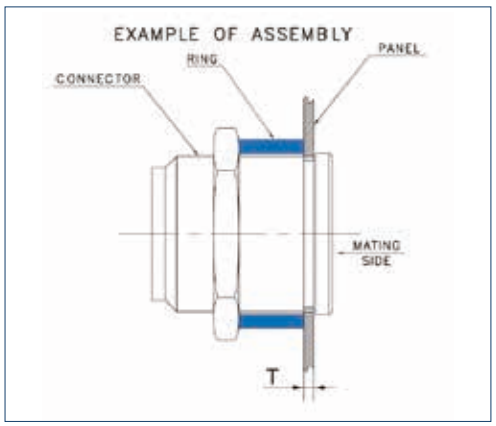


Material: brass
Surface: nickel

Table1: CPE Code Table

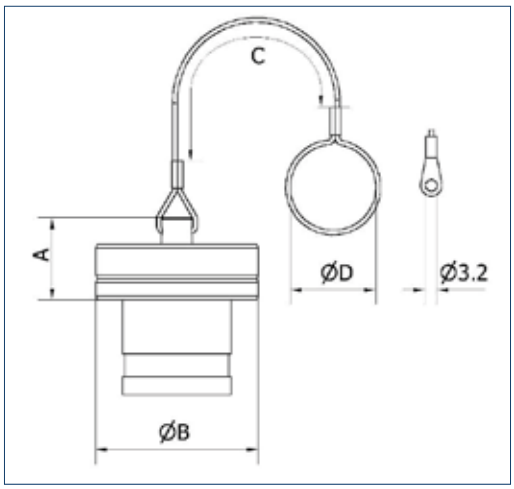
Size	P/N key	Ø A mm	Ø B mm	L mm	T mm
0	**DR0L70**	13	10.3	7	1-6
1/1.5	**DR1L120**	17	14.3	12	0.5-3
1/1.5	**DR1L60**	17	14.3	6	3-9
2	**DR2L80**	21	16.3	8	1-8
3	**DR3L115**	25	20.3	11.5	0.5-7

Example: DR2L80 – DISTANCE RING SIZE 2 LENGTH 8



Accessories

PROTECTIVE COVERS FOR RECEPTACLES (IP50)



Matt chromate surface

Table1: CPE Code Table					
Size	P/N key	A mm	B mm	C mm	Ø D mm
0	**CVFR0x50**	10.5	10	70	8
1	**CVFR1x50**	12.5	12	75	13
1.5	**CVFR1.5x50**	13.3	13	80	11
2	**CVFR2x50**	15	15	85	13
3	**CVFR3x50**	16.6	18	100	16

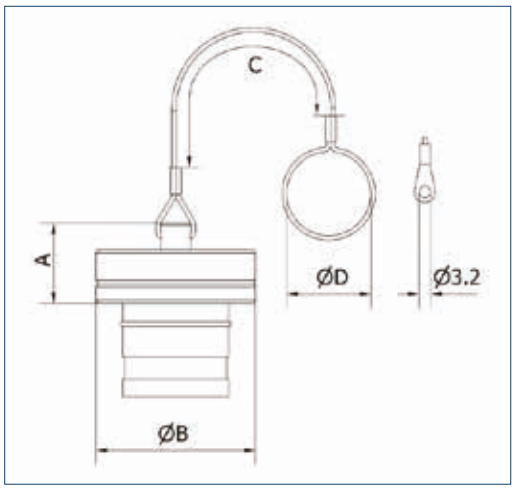
Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

x is the Code from Table2 (Lanyard Material Code Table)

Example: CVFR0A50 – PROTECTIVE COVER IP50 FOR SIZE 0 RECEPTACLE WITH POLYAMIDE LANYARD AND LOOP

Accessories

PROTECTIVE COVERS FOR RECEPTACLES (IP68)



Matt chromate surface

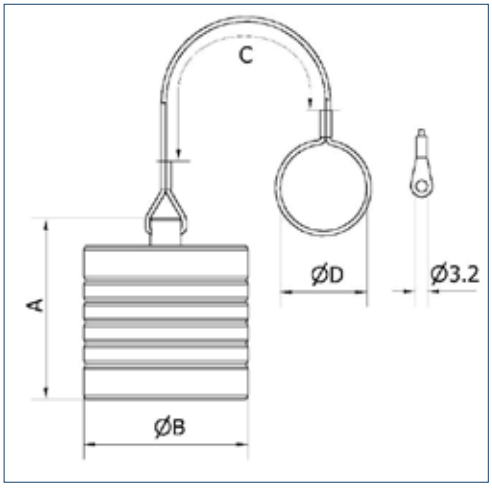
Table1: CPE Code Table					
Size	P/N key	A mm	B mm	C mm	Ø D mm
0	**CVFR0x68**	10	10	70	8
1	**CVFR1x68**	12	12	75	10
1.5	**CVFR1.5x68**	13.3	13	80	11
2	**CVFR2x68**	15	15	85	13
3	**CVFR3x68**	17	18	100	16

Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

Example: CVFR0A50 – PROTECTIVE COVER IP68 FOR SIZE 0 RECEPTACLE WITH POLYAMIDE LANYARD AND LOOP

Accessories

PROTECTIVE COVERS FOR PLUG (IP50)



Matt chromate surface

Table1: CPE Code Table					
Size	P/N key	A mm	Ø B mm	C mm	Ø D mm
0	**CVFP0x50**	15.5	10	70	8
1	**CVFP1x50**	16.5	12	75	10
1.5	**CVFP1.5x50**	15.5	13	80	11
2	**CVFP2x50**	18	15	85	13
3	**CVFP3x50**	20.5	18	100	16

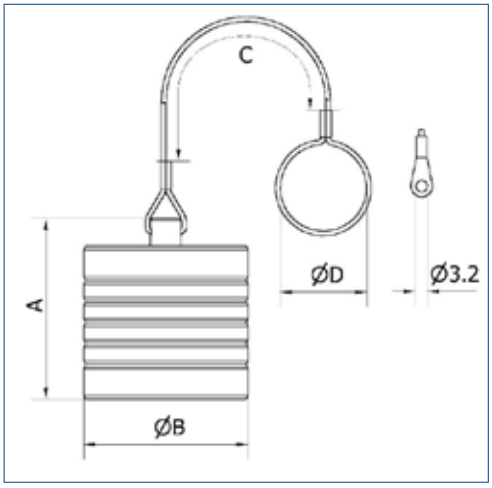
Table2: Lanyard Material Table	
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

x is the Code from Table2 (Lanyard Material Code Table)

Example: CVFP0A50 – PROTECTIVE COVER IP50 FOR SIZE 0 PLUG WITH POLYAMIDE LANYARD AND LOOP

Accessories

PROTECTIVE COVERS FOR PLUG (IP68)



Matt chromate surface

Table1: CPE Code Table

Size	P/N key	A mm	Ø B mm	C mm	Ø D mm
0	**CVFP0x68**	15.5	10	70	8
1	**CVFP1x68**	16.5	12	75	10
1.5	**CVFP1.5x68**	16	13.5	80	11
2	**CVFP2x68**	18.5	16	85	13
3	**CVFP3x68**	21	19	100	16

Table2: Lanyard Material Table

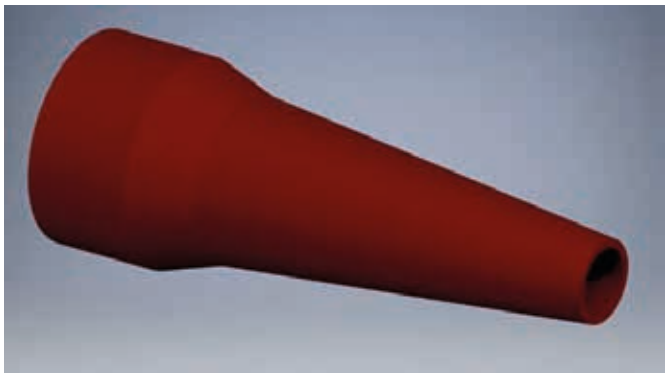
Code	Lanyard Material
A	Polyamide lanyard with loop
B	Stainless steel lanyard with loop
C	Polyamide lanyard with solder lug
D	Stainless steel lanyard with solder lug

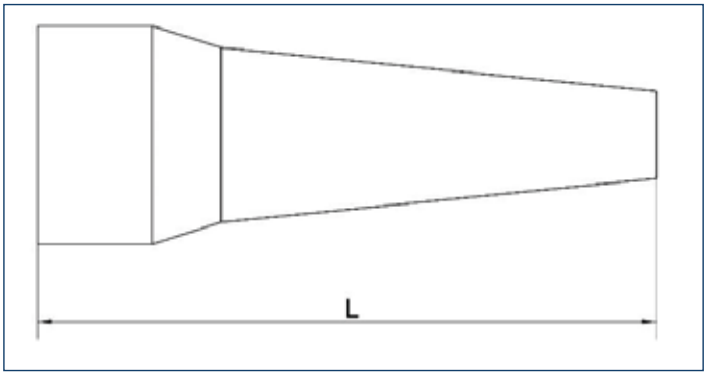
x is the Code from Table2 (Lanyard Material Code Table)

Example: CVFP0A68 – PROTECTIVE COVER IP68 FOR SIZE 0 PLUG WITH POLYAMIDE LANYARD AND LOOP

Accessories

SILICONE CABLE BEND RELIEFS





TEMPERATURE RANGE SILICONE: – 50 °C up to +200 °C, short-term up to +230 °C Autoclavable

Table1: CPE Code Table

SIZE	P/N key	L mm	Cable jacket (outside Ø) min.	Cable jacket (outside Ø) max.
0	**SCBR0D20xx**	27	2	2.5
	SCBR0D25xx		2.5	3
	SCBR0D30xx		3	3.5
	SCBR0D35xx		3.5	4
	SCBR0D40xx		4	4.5
	SCBR0D45xx		4.5	5
1	**SCBR1D25xx**	30	2.5	3
	SCBR1D30xx		3	3.5
	SCBR1D35xx		3.5	4
	SCBR1D40xx		4	5
	SCBR1D50xx		5	6
	SCBR1D60xx		6	6.5
	SCBR1D65xx		6.5	7.5
1.5	**SCBR0D20xx**	36	3	3.5
	SCBR0D25xx		4	5
	SCBR0D30xx		5	6
	SCBR0D35xx		6	7
	SCBR0D40xx		7	8
2	**SCBR2D25xx**	36	2.5	3
	SCBR2D30xx		3	3.5
	SCBR2D35xx		3.5	4
	SCBR2D40xx		4	5
	SCBR2D50xx		5	6
	SCBR2D60xx		6	7
	SCBR2D70xx		7	8
	SCBR2D80xx		8	9
3	**SCBR3D40xx**	42	4	5
	SCBR3D50xx		5	6
	SCBR3D60xx		6	7
	SCBR3D70xx		7	8
	SCBR3D80xx		8	9
	SCBR3D90xx		9	10
	SCBR3D100xx		10	11
	SCBR3D110xx		11	12

Table2: Color Code Table

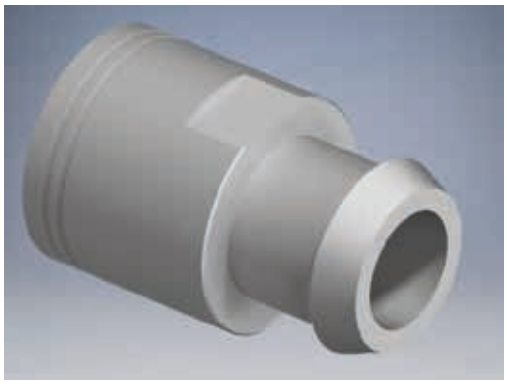
Color Code	Color	RAL no. (similar)
RD	Red	3020
WE	White	9010
YW	Yellow	1016
GN	Green	6029
BE	Blue	5002
GY	Grey	7005
BK	Black	9005

xx is the Color Code from Table2 (Color Code Table)

Example: SCBR0D20RD – SILICONE CABLE BEND RELIEF SIZE 0 (CABLE D. 2-2.5mm) Red

Accessories

BACK NUTS FOR CABLE BEND RELIEFS



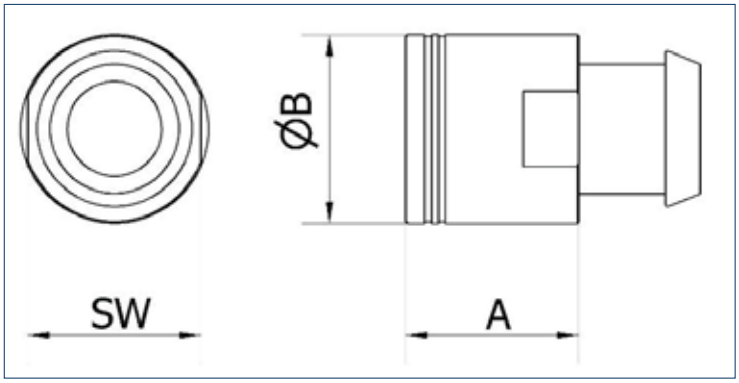


Table1: CPE Code Table				
Size	P/N key	Ø A mm	Ø B mm	SW mm
0	**BCBR0x**	8	8.9	7
1	**BCBR1x**	10	10.9	10
1.5	**BCBR1.5x**	11	12.9	12
2	**BCBR2x**	11.5	13.9	13
3	**BCBR3x**	11.5	16.9	15

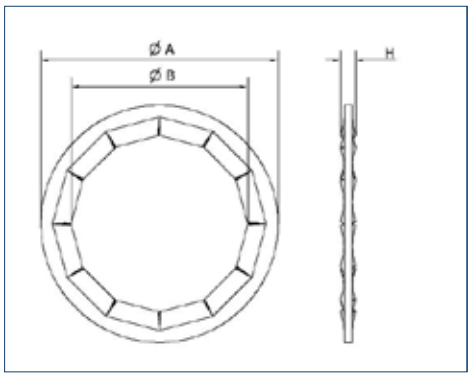
Table2: Surface Plating Table	
Code	Surface Plating
S	Cu-alloy / matt chrome plated
B	Cu-alloy / black chrome plated
N	Cu-alloy / nickel

x is the Code from Table2 (Surface Plating Table)

Example: BCBR0S – BACK NUT FOR CABLE BEND RELIEF MATT CHROME PLATED

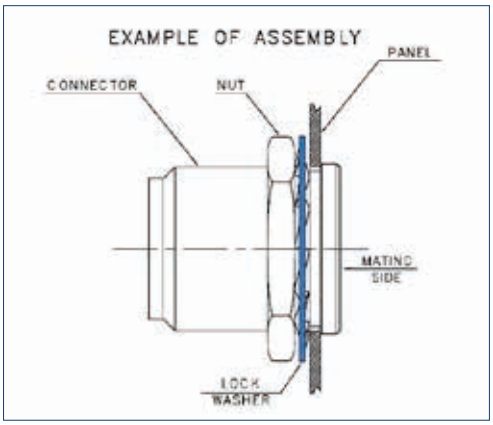
Accessories

LOCK WASHERS



Nickel-plated surface

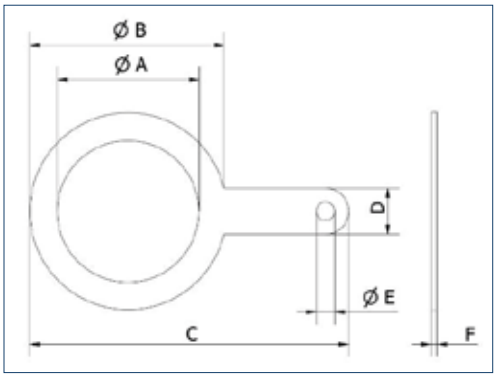
Table1: CPE Code Table				
Thread	P/N key	Ø A mm	Ø B mm	H mm
M9	**LW09**	12.5	9.1	1
M12	**LW12**	16	12.1	1.1
M14	**LW14**	19.5	14.2	1.1
M15	**LW15**	19.5	15.1	1.1
M16	**LW16**	21.5	16.1	1.1
M18	**LW18**	25	18.1	1.1
M20	**LW20**	25	20.1	1.1



Example: LW09 – LOCK WASHER M9

Accessories

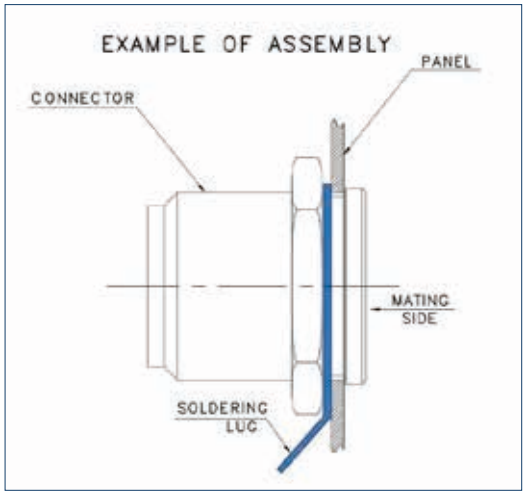
SOLDERING LUGS



Silver-plated surface

Table1: CPE Code Table							
Thread	P/N key	Ø A mm	Ø B mm	C mm	D mm	Ø E mm	F mm
M9	**SOL09**	9.7	13.2	21.6	4	1.6	0.5
M12	**SOL12**	12.2	17	27.5	4	1.6	0.5
M14	**SOL14**	14.1	18	27	4	2	0.5
M15	**SOL15**	15.2	20	32	4	1.6	0.5
M16	**SOL16**	16.2	20	32	4	1.6	0.5
M18	**SOL18**	18.2	25	39	4	1.6	0.5
M20	**SOL20**	20.2	25	39	4	1.6	0.5

Example: SOL09 – SOLDERING LUG M9



TOOLS

CRIMPING TOOLS / ASSEMBLY TOOLS

CRIMPING TO P/N: CT-A

PROCESSING TOOLS FOR CRIMP CONTACTS SERIES K & L

Size	Number of contacts	Contact diameter	Termination cross-section		Positioner		Selector setting		Removal tool
		mm	AWG	mm²	Pin	Socket	Pin	Socket	
0	4-5	0.7	28-32	0.09-0.04	CT-07P-A		3		RT-07
	4-5	0.7	22-23	0.38-0.15	CT-07P-A		4		RT-07
	2-3	0.9	22-23	0.38-0.15	CT-09P-A	CT-09S-A	4	4	RT-09
	2-3	0.9	20-24	0.5-0.25	CT-09P-B	CT-09S-B	7/6/5[1]	7/6/5[1]	RT-09
1	6-8	0.7	28-32	0.09-0.04	CT-07P-A	CT-07S-A	3	3	RT-07
	6-8	0.7	22-23	0.38-0.15	CT-07P-A	CT-07S-A	4	4	RT-07
	4-5	0.9	22-23	0.38-0.15	CT-09P-A	CT-09S-C	4	4	RT-09
	4-5	0.9	20-24	0.5-0.25	CT-09P-B	CT-09S-D	7/6/5[1]	7/6/5[1]	RT-09
2	12-19	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-B	3	3	RT-07
	12-19	0.7	22-26	0.38-0.15	CT-07P-C	CT-07S-B	4	4	RT-07
	8-10	0.9	22-26	0.38-0.15	CT-09P-A	CT-09S-E	4	4	RT-09
	8-10	0.9	20-24	0.5-0.25	CT-09P-B	CT-09S-F	7/6/5/[1]	7/6/5/[1]	RT-09
3	20-30	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-C	3	3	RT-07
	20-30	0.7	22-26	0.38-0.15	CT-07P-B	CT-07S-C	4	4	RT-07
	14-18	0.9	22-26	0.38-0.15	CT-09P-A		4		RT-09
	14-18	0.9	20-24	0.5-0.25	CT-09P-B		7/6/5[1]		RT-09
	8	1.3	20-24	0.5-0.25	CT-13P-A	CT-13S-A	7/6/5[1]	7/6/5[1]	RT-13
	8	1.3	18-20	1-0.5		CT-13S-B		5	

PROCESSING TOOLS FOR CRIMP CONTACTS SERIES F

Size	Number of contacts	Contact diameter	Termination cross-section		Positioner		Selector setting		Removal tool
		mm	AWG	mm²	Pin	Socket	Pin	Socket	
0	4	0.7	28-32	0.09-0.04	CT-07P-A	CT-07S-E	3	3	RT-07
	4	0.7	22-26	0.38-0.15	CT-07P-A	CT-07S-F	4	4	RT-07
1	6-8	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-A	3	3	RT-07
	6-8	0.7	22-26	0.38-0.15	CT-07P-B	CT-07S-A	4	4	RT-07
	4-5	0.9	22-26	0.38-0.15	CT-09P-A	CT-09S-C	4	4	RT-09
	4-5	0.9	20-24	0.50-0.25	CT-09P-B	CT-09S-D	7/6/5[1]	7/6/5[1]	RT-09
1.5	12	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-G	3	3	RT-07
	12	0.7	22-26	0.38-0.15	CT-07P-B	CT-07S-G	4	4	RT-07
2	12-19	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-B	3	3	RT-07
	12-19	0.7	22-26	0.38-0.15	CT-07P-B	CT-07S-B	4	4	RT-07
	10	0.9	22-26	0.38-0.15	CT-09P-A	CT-09S-E	4	4	RT-09
	10	0.9	20-24	0.5-0.25	CT-09P-B	CT-09S-F	7/6/5[1]	7/6/5[1]	RT-09
3	27	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-C	3	3	RT-07
	27	0.7	22-26	0.38-0.15	CT-07P-B	CT-07S-D	4	4	RT-07
	20-26	0.7	28-32	0.09-0.04	CT-07P-B	CT-07S-C	3	3	RT-07
	20-26	0.7	22-26	0.38-0.15	CT-07P-B	CT-07S-C	4	4	RT-07
	15-18	0.9	22-26	0.38-0.15	CT-09P-A	CT-09S-E	4	4	RT-09
	15-18	0.9	20-24	0.50-0.25	CT-09P-B	CT-09S-F	7/6/5[1]	7/6/5[1]	RT-09
	14	0.9	22-26	0.38-0.15	CT-09P-A	CT-09S-G	4	4	RT-09
	14	0.9	20-24	0.50-0.25	CT-09P-B	CT-09S-H	7/6/5[1]	7/6/5[1]	RT-09

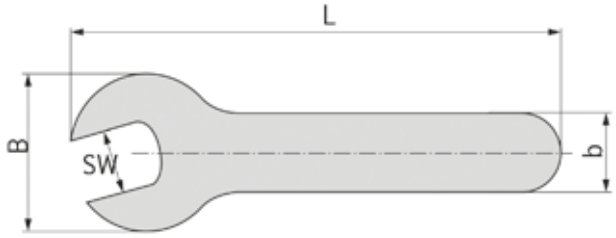
[1] For AWg 20 position 7 / for AWg 22 position 6 / for AWg 24 position 5

ASSEMBLY TOOL FOR CONNECTORS SERIES K PART NUMBER: CT-K

- Suitable from size 0 to 4.
- To clamp the inner housing for back nut assembly.
- Incl. jaws for bench vise fixing for easy handling.

SPANNER WRENCH

Part number	Dimensions in mm				
	SW	t	B	L	b
SW-05.0-1.5	5	1.5	16	92	8
SW-05.5-1.5	5.5	1.5	16	92	8
SW-06.-2.0	6	2	16	92	8
SW-07.0-2.0	7	2	16	92	8
SW-08.0-2.0	8	2	16	92	8
SW-09.0-2.0	9	2	21.5	102	9
SW-10.0-2.0	10	2	21.5	102	9
SW-11.0-2.0	11	2	24.5	115	10
SW-12.0-2.5	12	2.5	24.5	115	10
SW-15.5-4.0	12.5	4	24.5	115	10
SW-13.0-2.5	13	2.5	30.5	98	16-5
SW-14.0-2.5	14	2.5	30.5	98	16.5
SW-15.0-3.0	15	3	35.5	145	15
SW-16.0-3.0	16	3	35.5	145	15
SW-17.0-3.0	17	3	35.5	145	15
SW-18.0-3.0	18	3	42	172	16
SW-19.0-3.0	19	3	42	172	16
SW-20.0-3.0	20	3	42	172	16
SW-21.0-3.0	21	3	42	172	16
SW-22.0-3.0	22	3	47	119	23.5
SW-24.0-3.0	24	3	54	119	23.5
SW-27.0-3.0	27	3	55	150	25
SW-30.0-3.0	30	3	50	150	25
SW-31.0-3.0	31	3	50	150	25



NUT DRIVER FOR SLOTTED MOUNTING NUT

SUITABLE FOR STYLE LN & FN

Part number	Thread
ND-M09-0.5	M 9 x 0.5
ND-M10-0.5	M 10 x 0.5
ND-M12-1.0	M 12 x 1
ND-M14-1.0	M 14 x 1
ND-M15-1.0	M 15 x 1
ND-M16-1.0	M 16 x 1
ND-M18-1.0	M 18 x 1
ND-M20-1.0	M 20 x 1

SUITABLE FOR STYLE KS

ND-M14-1.0-KS	M 14 x 1
ND-M16-1.0-KS	M 16 x 1
ND-M20-1.0-KS	M 20 x 1
ND-M30-1.0-KS	M 30 x 1

REMOVAL TOOLS FOR CRIMP-CLIP CONTACTS

Part number	Contact Ø mm
RT-0.7	0.7
RT-0.9	0.9
RT-1.3	1.3
RT-1.6	1.6
RT-2.0	2

For your notes

For your notes

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