

成都艾可斯电气设备有限公司：BELDEN HIRSCHMANN LUMBERG HTP ICOS

THE UNIVERSAL ITEM FOR THE MOST DEMANDING ENVIRONMENTS.

To New Zealand and back: the CA-/CM-series excels in every part of the world.



The powerful CA-/CM-series is a genuine all-rounder: the screw-locking industrial plug connector for all control cable connections in hydraulic and pneumatic systems and special machinery construction may be found in continuous and proportional valves as well as in testing and inspection devices in environmental technology. Even in faraway New Zealand, one does not have to look too hard to find it: in this case as a weighing device connection, this plug contributes to the determination of weights in agricultural technology.

With a housing made of impact-proof glass fiber-reinforced plastic, protected against dust and submerging, the CA-/CM-series can also be used in flow meters or dosing units – and in various other areas where only a VD-tested plug connector can do the job. The universal plug connector carries out other tasks with UL recognition (CA-series) for example as DC/AC converter for solar technology, in theatre technology and in automatic outdoor advertising surfaces.

Whether in general machinery manufacturing, in control technology, the electromedical field or in the chemical industry – the sky is the limit for the robust CA/CM-industrial connector.

Special screw-locking and additional internal strain relief ensure that the CA-/CM-series is highly vibration-proof and can therefore withstand even the highest stresses.








咨询热线：028-61531718、61531807、61375957 网址：www.icos.hk





PROGRAM SURVEY CA-/CM-SERIES

CIRCULAR CONNECTORS

Cable socket CA-series		Cable plug CA-series	
straight	angled	straight	angled
			
3-pole + PE from page 242 6-pole + PE from page 242	3-pole + PE from page 243 6-pole + PE from page 243	3-pole + PE from page 244 6-pole + PE from page 244	3-pole + PE from page 245 6-pole + PE from page 245

Cable socket CM-series

4-pole from page 248 5-pole from page 248 6-pole from page 249 6-pole + PE from page 249 8-pole from page 249 14-pole from page 249 17-pole from page 250

Panel-mounted socket CA-series	Panel-mounted connector CA-series
	
3-pole from page 243 6-pole from page 243	3-pole from page 245 6-pole from page 245

Surface mounted connector (with flange) CM-series

4-pole from page 251 5-pole from page 251 6-pole from page 252 6-pole + PE from page 252 8-pole + PE from page 253 14-pole + PE from page 254 17-pole + PE from page 254





CIRCULAR CONNECTORS CA-SERIES

Cable socket and panel-mounted socket



CIRCULAR CONNECTORS CA SERIES

Product description	Straight cable socket, integrated strain relief	Straight cable socket, integrated strain relief		Angled cable socket, integrated strain relief	Angled cable socket, integrated strain relief	Panel-mounted socket with flange	Panel-mounted socket with flange
Description							
Type	CA 3 LD	CA 6 LD		CA 3 W LD	CA 6 W LD	CA 3 GD	CA 6 GD
Order No.	934 125-100	934 127-100		934 129-100	934 131-100	932 321-100	932 325-100
Number of contacts	3 + PE	6 + PE		3 + PE	6 + PE	3 + PE	6 + PE
Cable gland	M 22x2	M 22x2		M 22x2	M 22x2		
Cable diameter	6 mm to 12 mm	6 mm to 12 mm		6 mm to 12 mm	6 mm to 12 mm		6 mm to 12 mm
Conductor size	max. 2.5 mm ²	max. 0.75 mm ²		max. 2.5 mm ²	max. 0.75 mm ²	max. 2.5 mm ²	max. 0.75 mm ²
Housing Color	black	black		black	black	black	black
Drawing							
Technical data							
Pin dimensions	2 mm	1.5 mm		2 mm	1.5 mm	2 mm	1.5 mm
Rated voltage	DC 250 V / AC 400 V	250 V AC/DC		DC 250 V / AC 400 V	250 V AC/DC	DC 250 V / AC 400 V	250 V AC/DC
Rated current	DC 10 A / AC 16 A	10 A AC/DC		DC 10 A / AC 16 A	10 A AC/DC	DC 10 A / AC 16 A	10 A AC/DC
Contact resistance	≤ 3 mOhm	≤ 5 mOhm		≤ 3 mOhm	≤ 5 mOhm	≤ 3 mOhm	≤ 5 mOhm
Type of termination	screw	solder		screw	solder	screw	solder
Mounting						flange	flange
Material							
Contact surface material	Ag	Ag		Ag	Ag	Ag	Ag
Contact bearer material	PA 66-GF 25	PA 66-GF 25		PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25
Housing material	PA 66-GF 25	PA 66-GF 25		PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25
O-Ring	NBR	NBR		NBR	NBR	NBR	NBR
Environmental conditions							
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 67	IP 67
Pollution severity	3	3		3	3	3	3
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C		-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C
Inflammability class							
Flammability, UL standard	94 V-0	94 V-0		94 V-0	94 V-0	94 V-0	94 V-0
Approvals							
UL	UL	UL		UL	UL	UL	UL
VDE	VDE	VDE		VDE	VDE	VDE	VDE
Packaging unit							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces	100 pieces
Scope of delivery and accessories							
Scope of delivery	1 cable socket, not assembled, assembly instructions	1 cable socket, not assembled, assembly instructions		1 cable socket, not assembled, assembly instructions	1 cable socket, not assembled, assembly instructions	1 panel-mounted socket with sealing ring, in polyphene bag	1 panel-mounted socket with sealing ring, in polyphene bag
Accessories to order separately	can be plugged into CA 3 LS, CA 3 GS; cap CA 00 SD 3, order no. 831 532-400	can be plugged into CA 6 LS, CA 6 GS; cap CA 00 SD 3, order no. 831 532-400		can be plugged into CA 3 LS, CA 3 GS; cap CA 00 SD 3, order no. 831 532-400	can be plugged into CA 6 LS, CA 6 GS; cap CA 00 SD 3, order no. 831 532-400	can be plugged into CA 3 LS; cap CA 00 SD 4, order no. 831 531-100	can be plugged into CA 6 LS; cap CA 00 SD 4, order no. 831 531-100



CIRCULAR CONNECTORS CA-SERIES

Cable plug and panel-mounted connector



CIRCULAR CONNECTORS CA SERIES

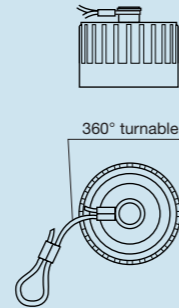
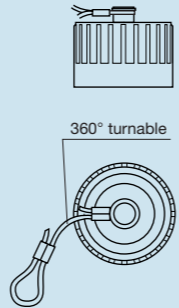
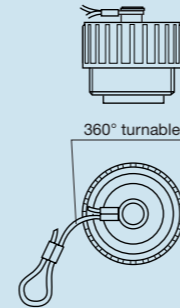
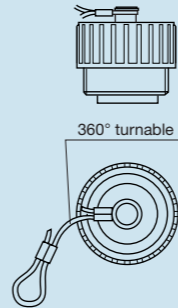
Product description	Straight cable plug, integrated strain relief		Angled cable plug, integrated strain relief		Panel-mounted connector with flange	
Description	CA 3 LS	CA 6 LS	CA 3 WLS	CA 6 WLS	CA 3 GS	CA 6 GS
Type	CA 3 LS	CA 6 LS	CA 3 WLS	CA 6 WLS	CA 3 GS	CA 6 GS
Order No.	934 124-100	934 126-100	934 128-100	934 130-100	932 322-100	932 326-100
Number of contacts	3 + PE	6 + PE	3 + PE	6 + PE	3 + PE	6 + PE
Cable gland	M 22x2	M 22x2	M 22x2	M 22x2		
Cable diameter	6 mm to 12 mm	6 mm to 12 mm	6 mm to 12 mm	6 mm to 12 mm		
Conductor size	max. 2.5 mm ²	max. 0.75 mm ²	max. 2.5 mm ²	max. 0.75 mm ²	max. 2.5 mm ²	max. 0.75 mm ²
Housing Color	black	black	black	black	black	black
Drawing						
Technical data						
Pin dimensions	2 mm	1.5 mm	2 mm	1.5 mm	2 mm	1.5 mm
Rated voltage	DC 250 V / AC 400 V	250 V AC/DC	DC 250 V / AC 400 V	250 V AC/DC	DC 250 V / AC 400 V	250 V AC/DC
Rated current	DC 10 A / AC 16 A	10 A AC/DC	DC 10 A / AC 16 A	10 A AC/DC	DC 10 A / AC 16 A	10 A AC/DC
Contact resistance	≤ 3 mOhm	≤ 5 mOhm	≤ 3 mOhm	≤ 5 mOhm	≤ 3 mOhm	≤ 5 mOhm
Type of termination	screw	solder	screw	solder	screw	solder
Mounting					flange	flange
Material						
Contact surface material	Ag	Ag	Ag	Ag	Ag	Ag
Contact bearer material	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25
Housing material	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25
O-Ring	NBR	NBR	NBR	NBR	NBR	NBR
Environmental conditions						
Protection class (IEC 60529)	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
Pollution severity	3	3	3	3	3	3
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C
Inflammability class						
Flammability, UL standard	94 V-0	94 V-0	94 V-0	94 V-0	94 V-0	94 V-0
Approvals						
UL	UL	UL	UL	UL	UL	UL
VDE	VDE	VDE	VDE	VDE	VDE	VDE
Packaging unit						
Packaging unit	100 pieces	100 pieces	100 pieces	100 pieces	100 pieces	100 pieces
Scope of delivery and accessories						
Scope of delivery	1 cable plug, not assembled, assembly instructions	1 cable plug, not assembled, assembly instructions	1 cable plug, not assembled, assembly instructions	1 cable plug, not assembled, assembly instructions	1 panel-mounted connector with sealing ring, in polyphene bag	1 panel-mounted connector with sealing ring, in polyphene bag
Accessories to order separately	can be plugged into CA 3 LD, CA 3 GD; cap CA 00 SD 1, order no. 831 530-400	can be plugged into CA 6 LD, CA 6 GD; cap CA 00 SD 1, order no. 831 530-400	can be plugged into CA 3 LD, CA 3 GD; cap CA 00 SD 1, order no. 831 530-400	can be plugged into CA 6 LD, CA 6 GD; cap CA 00 SD 1, order no. 831 530-400	can be plugged into CA 3 LD; cap CA 00 SD 2, order no. 831 529-100	can be plugged into CA 6 LD; cap CA 00 SD 2, order no. 831 529-100



CIRCULAR CONNECTORS CA-SERIES

Accessories CA-series



CIRCULAR CONNECTORS CA SERIES	Product description						
	Description	Protection cap for cable plugs with variable loop.	Protection cap for panel-mounted connectors with fixed loop.		Protection cap for cable sockets with variable loop.	Protection cap for panel-mounted sockets with fixed loop.	
	Type	CA 00 SD 1	CA 00 SD 2		CA 00 SD 3	CA 00 SD 4	
	Order No.	831 530-400	831 529-100		831 532-400	831 531-100	
	Number of contacts	for 3 + PE and 6 + PE	for 3 + PE and 6 + PE		for 3 + PE and 6 + PE	for 3 + PE and 6 + PE	
	Housing Color	black	black		black	black	
	Drawing						
	Material						
	Housing material	PA 66-GF 25	PA 66-GF 25		PA 66-GF 25	PA 66-GF 25	
	Packaging unit						
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces		
Scope of delivery and accessories							
Scope of delivery	1 cap with internal thread, nylon loop	1 cap with internal thread, nylon loop		1 cap with external thread, nylon loop	1 cap with external thread, nylon loop		
Accessories to order separately	can be plugged into CA 3 LS, CA 6 LS	can be plugged into CA 3 GS, CA 6 GS		can be plugged into CA 3 LD, CA 6 LD	can be plugged into CA 3 GD, CA 6 GD		



CIRCULAR CONNECTORS CM-SERIES

Cable socket



CIRCULAR CONNECTOR CM SERIES	Product description								
	Description	Straight cable socket, strain relief by means of a clamp		Straight cable socket, strain relief by means of a clamp		Straight cable socket, strain relief by means of a clamp		Straight cable socket, strain relief by means of a clamping cage	
	Type	CM 06 EA 14S-2 S		CM 06 EA 14S-5 S		CM 06 EA 14S-6 S		CM 06 EA 14S-61 S	
	Order No.	932 457-100		932 841-100		932 458-100		932 842-100	
	Number of contacts	4		5		6		6 + PE	
	Cable gland	PG 11		PG 11		PG 11		PG 11	
	Cable diameter	8 mm to 10 mm		8 mm to 10 mm		8 mm to 10 mm		8 mm to 10 mm	
	Conductor size	max. 1 mm ²		max. 1 mm ²		max. 1 mm ²		max. 1 mm ²	
	Standard	MIL-C 5015 bzw. VG 95 342		MIL-C 5015 bzw. VG 95 342		MIL-C 5015 bzw. VG 95 342		MIL-C 5015 bzw. VG 95 342	
	Housing Color	black		black		black		black	
Drawing									
Technical data									
Pin dimensions	1.6 mm		1.6 mm		1.6 mm		1.6 mm		
Rated voltage	50 V AC/DC		50 V AC/DC		50 V AC/DC		50 V AC/DC		
Rated current	10 A		10 A		10 A		10 A		
Contact resistance	≤ 5 mOhm		≤ 5 mOhm		≤ 5 mOhm		≤ 5 mOhm		
Type of termination	solder		solder		solder		solder		
Shell size	14S		14S		14S		20		
Material									
Contact surface material	Ag		Ag		Ag		Ag		
Contact bearer material	PA 66-GF 25		PA 66-GF 25		PA 66-GF 25		PA 66-GF 25		
Housing material	PA 66-GF 25		PA 66-GF 25		PA 66-GF 25		PA 66-GF 25		
O-Ring	NBR		NBR		NBR		NBR		
Environmental conditions									
Protection class (IEC 60529)	IP 67		IP 67		IP 67		IP 67		
Pollution severity	3		3		3		3		
Temperature range	-40 °C to +90 °C		-40 °C to +90 °C		-40 °C to +90 °C		-40 °C to +90 °C		
O-Ring	up to 100 °C		up to 100 °C		up to 100 °C		up to 100 °C		
Inflammability class									
Flammability, UL standard	94 V-1		94 V-1		94 V-1		94 V-1		
Packaging unit									
Packaging unit	100 pieces		100 pieces		100 pieces		100 pieces		
Scope of delivery and accessories									
Scope of delivery	1 cable socket, not assembled, assembly instructions		1 cable socket, not assembled, assembly instructions		1 cable socket, not assembled, assembly instructions		1 cable socket, not assembled, assembly instructions		
Accessories to order separately	can be plugged into CM 02 E 14S-2 P; cap CM 06 SD 14S, order no. 831 621-100		can be plugged into CM 02 E 14S-5 P; cap CM 06 SD 14S, order no. 831 621-100		can be plugged into CM 02 E 14S-6 P; cap CM 06 SD 14S, order no. 831 621-100		can be plugged into CM 02 E 14S-61 P; CM 02 L 14S-61 P (Metall); CM 02 L 14S-61 P F (Metall); cap CM 06 SD 14S, order no. 831 621-100		
	can be plugged into CM 02 E 20-7 P; cap CM 06 SD 20, order no. 831 767-100		can be plugged into CM 02 E 20-27 P; cap CM 06 SD 20, order no. 831 767-100						



CIRCULAR CONNECTORS CM-SERIES

Cable socket



CIRCULAR CONNECTOR CM SERIES	Product description	
	Description	Straight cable socket, strain relief by means of a clamping cage
	Type	CM 06 EA 20-29 S
	Order No.	933 068-100
	Number of contacts	17
	Cable gland	PG 16
	Cable diameter	12 mm to 14 mm
	Conductor size	max. 1.5 mm ²
	Standard	MIL-C 5015 bzw. VG 95 342
	Housing Color	black
	Drawing	
	Technical data	
	Pin dimensions	1.6 mm
	Rated voltage	50 V AC/DC
	Rated current	4 A
	Contact resistance	≤ 5 mOhm
Type of termination	solder	
Shell size	20	
Material		
Contact surface material	Ag	
Contact bearer material	PA 66-GF 25	
Housing material	PA 66-GF 25	
O-Ring	NBR	
Environmental conditions		
Protection class (IEC 60529)	IP 67	
Pollution severity	3	
Temperature range	-40 °C to +90 °C	
O-Ring	up to 100 °C	
Inflammability class		
Flammability, UL standard	94 V-1	
Packaging unit		
Packaging unit	100 pieces	
Scope of delivery and accessories		
Scope of delivery	1 cable socket, not assembled, assembly instructions	
Accessories to order separately	can be plugged into CM 02 E 20-29 P; cap CM 06 SD 20, order no. 831 767-100	

Surface mounted connector



CIRCULAR CONNECTOR CM SERIES	Product description		
	Description	Surface mounted connector, with flange, with solder bucket	Surface mounted connector, with flange, with solder bucket
	Type	CM 02 E 14S-2 P	CM 02 E 14S-5 P
	Order No.	932 449-100	932 843-100
	Number of contacts	4	5
	Cable diameter		
	Conductor size	max. 1 mm ²	max. 1 mm ²
	Standard	MIL-C 5015 bzw. VG 95 342	MIL-C 5015 bzw. VG 95 342
	Housing Color	black	black
	Drawing		
	Technical data		
	Pin dimensions	1.6 mm	1.6 mm
	Rated voltage	50 V AC/DC	50 V AC/DC
	Rated current	10 A	10 A
	Contact resistance	≤ 5 mOhm	≤ 5 mOhm
	Type of termination	solder	solder
Shell size	14S	14S	
Mounting	screws	screws	
Material			
Contact surface material	Ag	Ag	
Contact bearer material	PA 66-GF 25	PA 66-GF 25	
Housing material	PA 66-GF 25	PA 66-GF 25	
O-Ring			
Environmental conditions			
Protection class (IEC 60529)	IP 67	IP 67	
Pollution severity	3	3	
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C	
O-Ring	up to 100 °C	up to 100 °C	
Inflammability class			
Flammability, UL standard	94 V-1	94 V-1	
Packaging unit			
Packaging unit	100 pieces	100 pieces	
Scope of delivery and accessories			
Scope of delivery	1 surface mounted connector	1 surface mounted connector	
Accessories to order separately	can be plugged into CM 06 EA 14S-2 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001	can be plugged into CM 06 EA 14S-5 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001	



CIRCULAR CONNECTORS CM-SERIES

Surface mounted connector



CIRCULAR CONNECTOR CM SERIES	Product description							
	Description	Surface mounted connector, with flange, with solder bucket	Surface mounted connector, with flange, with solder bucket		Surface mounted connector, with flange, with soldering pin	Surface mounted connector, with flange, with filter selection 6 x 1 nF	Surface mounted connector, with flange, with filter selection 6 x 1 nF	Surface mounted connector, with flange, with solder bucket
	Type	CM 02 E 14S-6 P	CM 02 E 14S-61 P		CM 02 L 14S-61 P Metall/metal	CM 02 L 14S-61 P F	CM 02 L 14S-61 P F Metall/metal	CM 02 E 20-7 P
	Order No.	932 451-100	932 451-100		934 390-001	932 988-100	934 391-001	932 845-100
	Number of contacts	6	6 + PE		6 + PE	6 + PE with with filter	6 + PE with filter	8 + PE
	Cable diameter							
	Conductor size	max. 1 mm ²	max. 1 mm ²			max. 1 mm ²		max. 1.5 mm ²
	Standard	MIL-C 5015 bzw. VG 95 342	MIL-C 5015 bzw. VG 95 342		MIL-C 5015 bzw. VG 95 342	MIL-C 5015 bzw. VG 95 342	MIL-C 5015 bzw. VG 95 342	MIL-C 5015 bzw. VG 95 342
	Housing Color	black	black		black	black	black	black
	Drawing							
Technical data								
Pin dimensions	1.6 mm	1.6 mm		1.6 mm	1.6 mm	1.6 mm	1.6 mm	
Rated voltage	50 V AC/DC	50 V AC/DC		50 V AC/DC	50 V AC/DC	50 V AC/DC	50 V AC/DC	
Rated current	10 A	10 A		10 A	2 A	2 A	10 A	
Contact resistance	≤ 5 mOhm	≤ 5 mOhm		≤ 5 mOhm	≤ 5 mOhm	≤ 5 mOhm	≤ 5 mOhm	
Type of termination	solder	solder		solder	solder	solder	solder	
Shell size	14S	14S		14S	14S	14S	20	
Mounting	screws	screws		screws	screws	screws	screws	
Material								
Contact surface material	Ag	Ag		Ag	Ag	Ag	Ag	
Contact bearer material	PA 66-GF 25	PA 66-GF 25		PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	PA 66-GF 25	
Housing material	PA 66-GF 25	PA 66-GF 25		Zn Al/Ni	PA 66-GF 25	Zn Al/Ni	PA 66-GF 25	
O-Ring								
Environmental conditions								
Protection class (IEC 60529)	IP 67	IP 67		IP 67	IP 67	IP 67	IP 67	
Pollution severity	3	3		3	3	3	3	
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C		-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	
O-Ring	up to 100 °C	up to 100 °C		up to 100 °C	up to 100 °C	up to 100 °C	up to 100 °C	
Inflammability class								
Flammability, UL standard	94 V-1	94 V-1		94 V-1	94 V-1	94 V-1	94 V-1	
Packaging unit								
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces	100 pieces	100 pieces	
Scope of delivery and accessories								
Scope of delivery	1 surface mounted connector	1 surface mounted connector		1 surface mounted connector	1 surface mounted connector	1 surface mounted connector	1 surface mounted connector	
Accessories to order separately	can be plugged into CM 06 EA 14S-6 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001	can be plugged into CM 06 EA 14S-61 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001		can be plugged into CM 06 EA 14S-61 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001	can be plugged into CM 06 EA 14S-61 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001	can be plugged into CM 06 EA 14S-61 S; flat gasket CM 02 D 14S, order no. 733 321-002; cap CM 02 SD 14S, order no. 831 620-100; protective cover SHK 1, order no. 733 849-001	can be plugged into CM 06 EA 20-7 S; flat gasket CM 02 D 20, order no. 733 818-002; cap CM 02 SD 20, order no. 831 766-100	



CIRCULAR CONNECTORS CM-SERIES

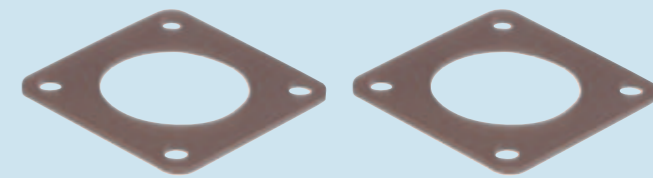
Surface mounted connector



CIRCULAR CONNECTOR CM SERIES

Product description		
Description	Surface mounted connector, with flange, with solder bucket	Surface mounted connector, with flange, with solder bucket
Type	CM 02 E 20-27 P	CM 02 E 20-29 P
Order No.	933 062-100	933 063-100
Number of contacts	14 + PE	17 + PE
Cable diameter		
Conductor size	max. 1.5 mm ²	max. 1.5 mm ²
Standard	MIL-C 5015 bzw. VG 95 342	MIL-C 5015 bzw. VG 95 342
Housing Color	black	black
Drawing		
Technical data		
Pin dimensions	1.6 mm	1.6 mm
Rated voltage	50 V AC/DC	50 V AC/DC
Rated current	10 A	4 A
Contact resistance	≤ 5 mOhm	≤ 5 mOhm
Type of termination	solder	solder
Shell size	20	20
Mounting	screws	screws
Material		
Contact surface material	Ag	Ag
Contact bearer material	PA 66-GF 25	PA 66-GF 25
Housing material	PA 66-GF 25	PA 66-GF 25
O-Ring		
Environmental conditions		
Protection class (IEC 60529)	IP 67	IP 67
Pollution severity	3	3
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C
O-Ring	up to 100 °C	up to 100 °C
Inflammability class		
Flammability, UL standard	94 V-1	94 V-1
Packaging unit		
Packaging unit	100 pieces	100 pieces
Scope of delivery and accessories		
Scope of delivery	1 surface mounted connector	1 surface mounted connector
Accessories to order separately	can be plugged into CM 06 EA 20-27S; flat gasket CM 02 D 20, order no. 733 818-002; cap CM 02 SD 20, order no. 831 766-100;	can be plugged into CM 06 EA 20-27S; flat gasket CM 02 D 20, order no. 733 818-002; cap CM 02 SD 20, order no. 831 766-100

Accessories CM-series



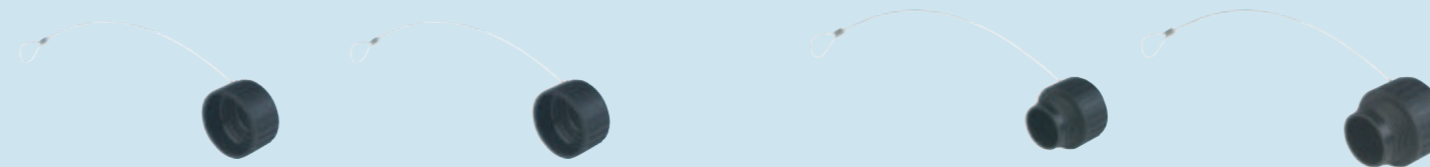
CIRCULAR CONNECTOR CM SERIES

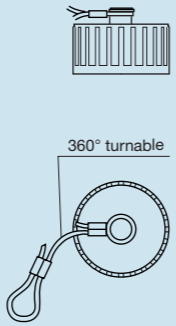
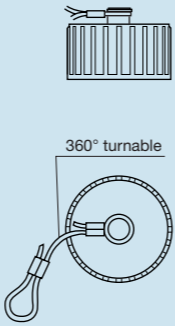
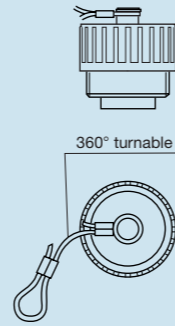
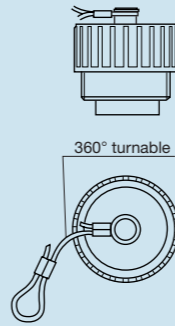
Product description		
Description	Gasket, NBR (nitrile rubber)	Gasket, NBR (nitrile rubber)
Type	CM 02 D 14S	CM 02 D 20
Order No.	733 321-002	733 818-002
Number of contacts		
Housing Color	brown	brown
Drawing		
Technical data		
Type of termination		
Material		
Housing material		
Gasket	NBR (nitrile rubber)	NBR (nitrile rubber)
Environmental conditions		
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C
Packaging unit		
Packaging unit	100 pieces	100 pieces
Scope of delivery and accessories		
	1 flat gasket can be plugged into CM 02 E 14S-..., CM 02 L 14S-...	1 flat gasket can be plugged into CM 02 E 20-...



CIRCULAR CONNECTORS CM-SERIES

Accessories CM-series



CIRCULAR CONNECTOR CM SERIES	Product description						
	Description	Cap for surface mounted connector	Cap for surface mounted connector		Cap for cable sockets	Cap for cable sockets	
	Type	CM 02 SD 14S	CM 02 SD 20		CM 06 SD 14S	CM 06 SD 20	
	Order No.	831 620-100	831 766-100		831 621-100	831 767-100	
	Number of contacts	for 3, 4, 5, 6, 6 + PE	for 7, 8, 14, 17		for 3, 4, 5, 6, 6 + PE	for 7, 8, 14, 17	
	Housing Color	black	black		black	black	
	Drawing						
	Technical data						
	Type of termination	screw	screw		screw	screw	
	Material						
Housing material	PA 66-GF 25	PA 66-GF 25		PA 66-GF 25	PA 66-GF 25		
Gasket							
Environmental conditions							
Temperature range	-40 °C to +90 °C	-40 °C to +90 °C		-40 °C to +90 °C	-40 °C to +90 °C		
Packaging unit							
Packaging unit	100 pieces	100 pieces		100 pieces	100 pieces		
Scope of delivery and accessories							
	cap with internal thread, nylon loop	cap with internal thread, nylon loop		1 cap with external thread, nylon loop	1 cap with external thread, nylon loop		
	can be plugged into CM 02 E 14S-..., CM 02 L 14S-...	can be plugged into CM 02 E 20-..., CM 02 L 20-...		can be plugged into CM 06 EA 14S-..., CM 02 L 14S-...	can be plugged into CM 06 EA 20-...		