



Hirschmann Circular Connectors CM Series



Be certain. Belden.

Robust Connectors in Accordance with MIL-C-5015 or VG 95342

Plug-in connectors compatible with MIL-C 5015 or VG 95342, these 4 to 17-pin connectors are ideal for use in the toughest environments. The housing is made of impact-proof, fiberglass-reinforced plastic, with threaded coupling for continuous, problem-free connection. The integrated strain relief also ensures easy handling and quick assembly.

Product Features

- Extremely robust plastic housing for outdoor applications
- 5 to 17-pin with and without PE
- Proven system based on military specifications
- Compatible with metal connectors complying with MIL-C-5015 or VG 95342

Benefits

- Touch-protected connector system for increased personal safety (DIN EN 61984)

- High flexibility through a large number of versions for a wide range of applications
- Robust housing and high-quality contact surfaces ensure a long life and maximum productivity

Applications

With almost unlimited possibilities in general mechanical engineering, control systems, medical devices, or in the chemicals industry, e.g., as control line connections in:



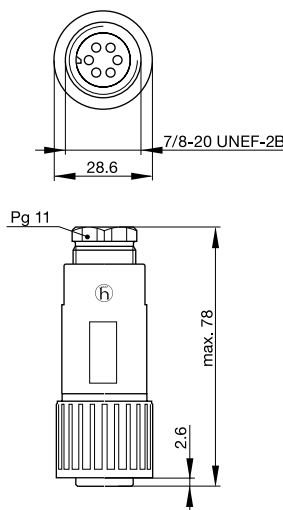
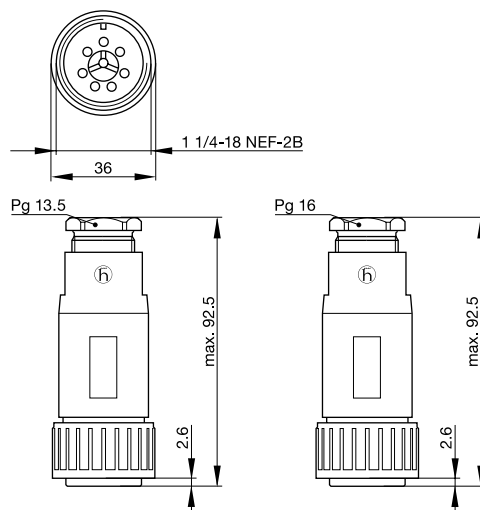
- Hydraulics, pneumatics, and special mechanical engineering
- Continuous and proportional valves
- Test and inspection equipment in environmental engineering
- Flow monitors or dosing systems

As AC/DC converters for:








- Solar technology
- Stage equipment
- Automatic billboards in outdoor spaces

Circular Connectors CM Series – Cable Sockets






















Technical Information

Product Description		
Order Designation	CM 06 EA 14S...	CM 06 EA 20...
		
Description	Circular cable connector, strain relief via cable clamp, 4 to 6-pin, PG11 cable screw coupling	Circular cable connector, female, strain relief via cable clamp, 7 to 17-pin, PG13.5 to PG16 cable screw coupling
RoHS-compliant (2011/65/EU)	Yes	
(Construction Type) Standard	MIL-C 5015 bzw. VG 95 342	
Approvals	–	
Technical Data		
Ambient Temperature	-40 °C to +90 °C	
Housing Material/Grip	PA 66 GF	
Contact Holder Material	PA 66 GF	
Contact Material/Surface Finish	CuZn, silver-plated	
O-Ring Material	NBR	
Mechanical Data		
Degree of Protection [IEC 60529]	IP65, IP67 (only when mated with Hirschmann/Lumberg counterparts)	
Cable Cross-section	max. 1 mm ²	max. 1.5 mm ²
Terminal Type	Solder	
Electrical Data		
Contact Resistance	≤ 5 mΩ	
Operating Voltage	50 V AC/DC	
Rated Current	10 A	7-pin 10 A, 14-pin 5 A, 17-pin 5 A
Pollution Degree	3	
Accessories		
Scope of Delivery or Accessories (incl.)	1 female connector, unmounted, assembly instructions	1 female connector, unmounted, assembly instructions
Accessories to be Ordered Separately	Protective cap CM 06 SD 14S (Order No. 831621100)	Protective cap CM 06 SD 20 (Order No. 831767100)
Technical Drawing		
		

Pin Assignment





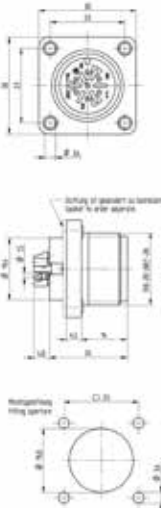
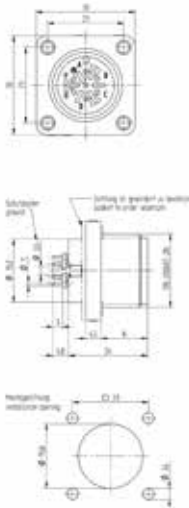
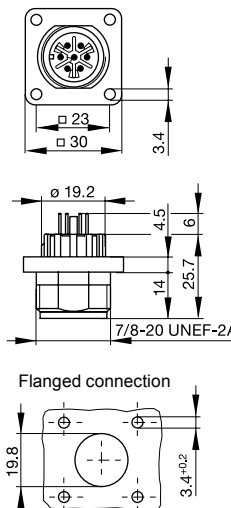
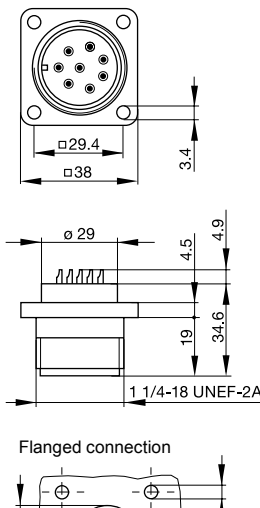
4-pin	5-pin	6-pin	6-pin + PE	8-pin	14-pin	17-pin
						

Order Information

Order No.	Order Designation	No. of Pins	Cable Gland	Characteristics
932457100	CM 06 EA 14S-2 S	4	Ø 8.0 to 10.0 mm (PG11)	  
932841100	CM 06 EA 14S-5 S	5	Ø 8.0 to 10.0 mm (PG11)	  
932458100	CM 06 EA 14S-6 S	6	Ø 8.0 to 10.0 mm (PG11)	  
932460100	CM 06 EA 14S-61 S	6 + PE	Ø 8.0 to 10.0 mm (PG11)	  
932842100	CM 06 EA 20-7 S	8	Ø 10.0 to 12.0 mm (PG13.5)	  
933067100	CM 06 EA 20-27 S	14	Ø 12.0 to 14.0 mm (PG16)	  
933068100	CM 06 EA 20-29 S	17	Ø 12.0 to 14.0 mm (PG16)	  

Circular Connectors CM Series – Surface Mounted Connectors

































Technical Information

Product Description				
Order Designation	CM 02 E 14S...	CM 02 L 14S-61 P (F)	CM 02 L 14S-61 P (F) Metall	CM 02 E 20...
				
Description	Male appliance connector with flange, contacts with solder bucket, 4 to 6-pin	Male appliance connector with flange, 6-pin + PE, soldering pin, with/without filter capacitors 6 x 1 nF	Male appliance connector metal housing with flange, 6-pin + PE, soldering pin, with/without filter capacitors 6 x 1 nF	Male appliance connector with flange, contacts with solder bucket, 8 to 17-pin
RoHS-compliant (2011/65/EU)	Yes			
(Construction Type) Standard	MIL-C 5015 bzw. VG 95 342			
Approvals	–			
Technical Data				
Ambient Temperature	-40 °C to +90 °C			
Housing Material/Grip	PA 66 GF		Zinc die casting, nickel-plated	PA 66 GF
Contact Holder Material	PA 66 GF			
Contact Material/Surface Finish	CuZn, silver-plated			
Material Seal	NBR			
Mechanical Data				
Degree of Protection [IEC 60529]	IP65, IP67 (only when mated with Hirschmann/Lumberg counterparts)			
Cable Cross-section	max. 1 mm ²	–	–	max. 1.5 mm ²
Electrical Data				
Contact Resistance	≤ 10 mΩ			
Operating Voltage	50 V AC/DC			
Rated Current	with filter: 2 A, without filter: 10 A			
Pollution Degree	3			
Accessories				
Scope of Delivery or Accessories (incl.)	1 male receptacle connector	1 male receptacle connector	1 male receptacle connector	1 male receptacle connector
Accessories to be Ordered Separately	Flat seal CM 02 D 14S (Order No. 733321002) Protective cap CM 02 SD 14S (Order No. 831620100) Protective cover SHK 1 (Order No. 733849001)	Flat seal CM 02 D 14S (Order No. 733321002) Protective cap CM 02 SD 14S (Order No. 831620100) Protective cover SHK 1 (Order No. 733849001)	Flat seal CM 02 D 14S (Order No. 733321002) Protective cap CM 02 SD 14S (Order No. 831620100) Protective cover SHK 1 (Order No. 733849001)	Flat seal CM 02 D 20 (Order No. 733818002) Protective cap CM 02 SD 20 (Order No. 831766100) Protective cover SHK 1 (Order No. 733849001)
Technical Drawing				
				

Pin Assignment

4-pin	5-pin	6-pin	6-pin + PE	8-pin	14-pin	17-pin
						

Order Information

Order No.	Order Designation	No. of Pins	Terminal Type	Characteristics
932449100	CM 02 E 14S-2 P	4	solder	  
932843100	CM 02 E 14S-5 P	5	solder	  
932451100	CM 02 E 14S-6 P	6	solder	  
932455100	CM 02 E 14S-61 P	6 + PE	solder	  
932456100	CM 02 L 14S-61 P	6 + PE	solder	  
932988100	CM 02 L 14S-61 P (F)	6-pin + PE with filter	solder	  
934390001	CM 02 L 14S-61 P (F) metal	6-pin + PE with filter	solder	   
934391001	CM 02 L 14S-61 P metal	6 + PE	solder	   
932845100	CM 02 E 20-7 P	8	solder	  
933062100	CM 02 E 20-27 P	14	solder	  
933063100	CM 02 E 20-29 P	17	solder	