



# 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:



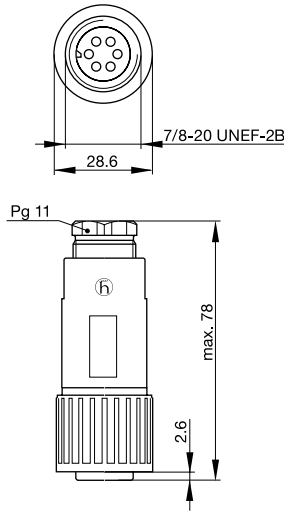
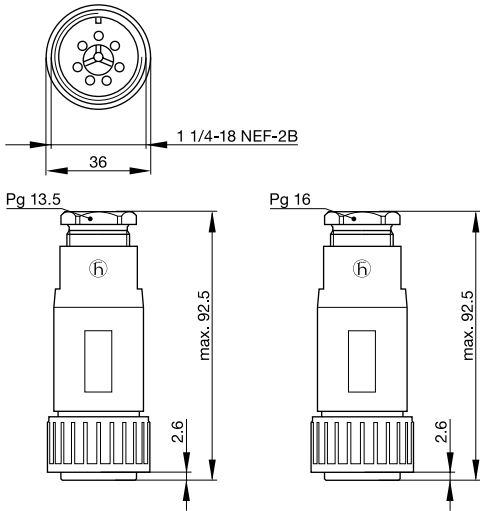
- Hydraulics, pneumatics, and special mechanical engineering
- Continuous and proportional valves
- Test and inspection equipment in environmental engineering
- Flow monitors or dosing systems

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 <sup>2</sup>	max. 1.5 mm <sup>2</sup>
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





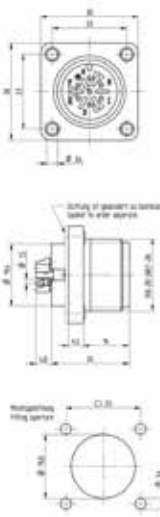
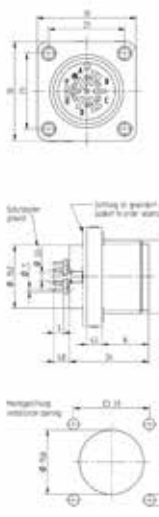
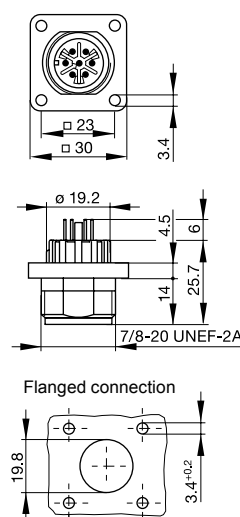
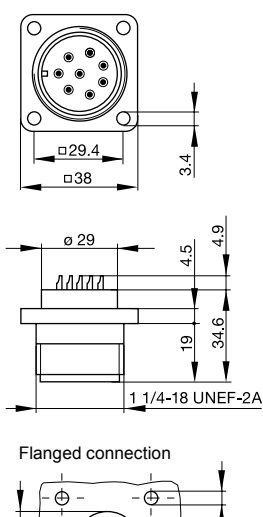
4-pin	5-pin	6-pin	6-pin + PE	7-pin	14-pin	17-pin
						

## 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	7	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 <sup>2</sup>	-	-	max. 1.5 mm <sup>2</sup>
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	7-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 + PE	solder	  
933062100	CM 02 E 20-27 P	14 + PE	solder	  
933063100	CM 02 E 20-29 P	17 + PE	solder	