

## M8-Receptacle Connectors In Accordance With IEC 61076-2-104

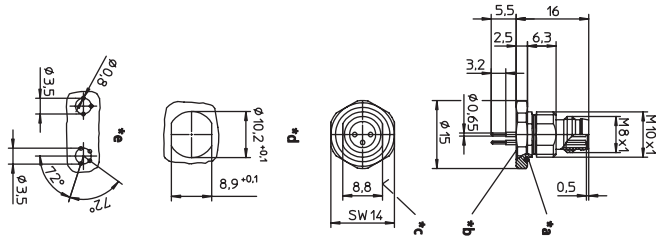
RSMHL.../S 5.5 | RKMHL.../S 5.5



### Male, 3- and 4-Pole

Receptacle connector, M8 male connector for back mounting, printed contacts, chassis side thread M10 x 1 (panel nut included).

#### RSMHL.../S 5.5



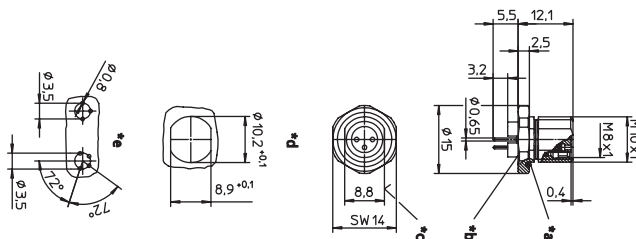
- \*a O-ring
- \*b solder contacts potted with epoxy
- \*c anti-rotation protection
- \*d cut out for anti-rotation
- \*e hole pattern in printed circuit board



### Female, 3- and 4-Pole

Receptacle connector, M8 female connector for back mounting, printed contacts, chassis side thread M10 x 1 (panel nut included).

#### RKMHL.../S 5.5

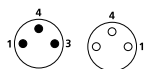


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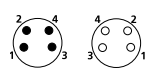
### Pin Assignments

#### Face Views

##### M8 - 3 poles



##### M8 - 4 poles





Be Certain with Belden

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**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

**Mechanical**

Housing / Molded body CuZn, nickel-plated  
 Insert RSMHL: PA  
 RKMHL: TPU, self-extinguishing  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 O-ring FKM

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 3 poles 60 V  
 4 poles 30 V  
 encapsulated  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Receptacles

Part Number		Pins	Characteristics
RSMHL 3/S 5,5	RKMHL 3/S 5,5	3	
RSMHL 4/S 5,5	RKMHL 4/S 5,5	4	