

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

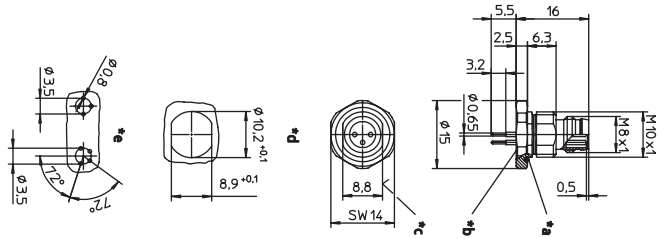
RSMHL.../S 5.5 | RKMHL.../S 5.5



**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**



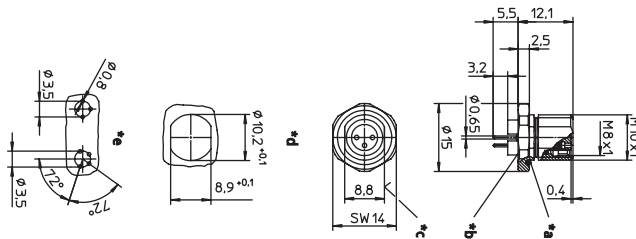
- \*a O-ring
- \*b solder contacts potted with epoxy
- \*c anti-rotation protection
- \*d cut out for anti-rotation
- \*e hole pattern in printed circuit board



**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**

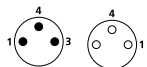


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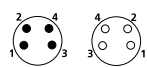
**Pin Assignments**

**Face Views**

**M8 - 3 poles**



**M8 - 4 poles**





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

**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-nickeled and  
 0.8 microns gold-plated  
 O-ring FKM

**Electrical**

Contact resistance  $\leq 5 \text{ m}\Omega$   
 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  $> 10^9 \Omega$   
 Pollution degree 3

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	

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