



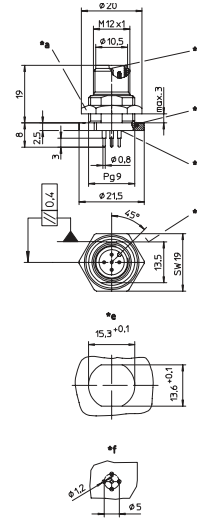
## PROFIBUS Receptacle Connectors

### RSHL 5B/S 5.5



#### M12 Male

Receptacle connector, M12 male connector for rear mounting, print contacts, chassis side thread PG 9 (panel nut RSKF 9).



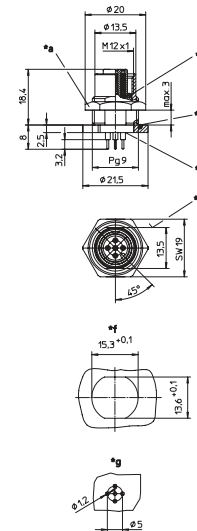
- \*a Nut
- \*b O-Ring
- \*c Solder contacts potted with epoxy
- \*d Anti-rotation protection
- \*e Cut out for anti-rotation
- \*f Hole pattern in printed circuit board
- \*v Center contact leading

### RKHL 5B/S 5.5



#### M12 Female

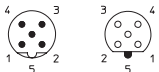
Receptacle connector, M12 female connector for rear mounting, printed contacts, chassis side thread PG 9 (panel nut RSKF 9).



- \*a Nut
- \*b O-Ring
- \*c O-Ring
- \*d Solder contacts potted with epoxy
- \*e Anti-rotation protection
- \*f Cut out for anti-rotation
- \*g Hole pattern in printed circuit board

### Pin Assignment

#### M12 - 5 Poles (B-Coding)





Be Certain with Belden

**PROFIBUS Receptacle Connectors**

RSHL 5B/S 5.5 | RKHL 5B/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 PA  
 Contact CuZn, pre-nickeled and 0.8 microns gold-plated  
 O-ring FKM  
 Mode of connection printed circuit board mount

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 60 V  
 Rated voltage 63 V  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	
RSHL 5B/S 5.5	5B	 
RKHL 5B/S 5.5	5B	 