

## M12-Receptacle Connectors In Accordance With IEC 61076-2-101

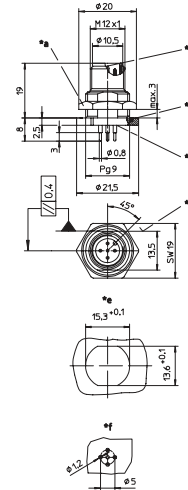
RSHL | RKHL | 0986 EFC 152



### Male, 4-, 5- and 8-Pole

Receptacle connector, M12 male connector for rear mounting, 4-, 5-, and 8-pole, print contacts, chassis side thread PG 9 (panel nut RSKF 9).

### RSHL



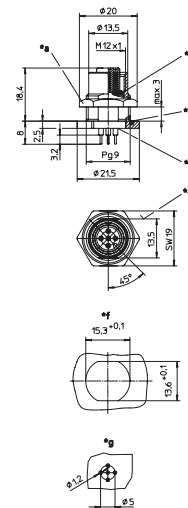
- \*a nut
- \*b O-Ring
- \*c solder contacts potted with epoxy
- \*d anti-rotation protection
- \*e cut out for anti-rotation
- \*f hole pattern in printed circuit board



### Female, 4-, 5- and 8-Pole

Receptacle connector, M12 female connector for rear mounting, 4-, 5-, and 8-pole, printed contacts, chassis side thread PG 9 (panel nut RSKF 9) 0986 EFC 152: 4 poles, D coding.

### RKHL

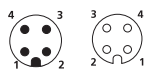


- \*a nut
- \*b O-Ring
- \*c solder contacts potted with epoxy
- \*d anti-rotation protection
- \*e cut out for anti-rotation
- \*f hole pattern in printed circuit board
- \*v center contact leading

### Pin Assignments

#### Face Views / M12

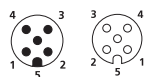
##### 4 poles



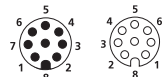
##### 4 poles D-Coding



##### 5 poles



##### 8 poles





Be Certain with Belden

## M12-Receptacle Connectors In Accordance With IEC 61076-2-101

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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 PA  
Contact CuZn, pre-nickel and 0.8 microns gold-plated  
O-ring FKM2

#### Electrical

Contact resistance  $\leq 5 \text{ m}\Omega$   
Nominal current at 40°C  
4–5 poles 4 A  
8 poles 2 A  
Nominal voltage  
4 poles 240 V;  
5–8 poles 60 V  
encapsulated  
Rated voltage  
4 poles 250 V;  
5–8 poles 63 V  
Test voltage  
4 poles 2.0 kV eff. / 60 s  
5–8 poles 1.5 kV eff. / 60 s  
Insulation resistance  
Pollution degree  
 $> 10^9 \Omega$   
3

| Part Number  |              | Pins | Characteristics   |
|--------------|--------------|------|---|
| RSHL 4/S 5.5 | RKHL 4/S 5.5 | 4    |   |
|              | 0976 EFC 152 | 4D   |   |
| RSHL 5/S 5.5 | RKHL 5/S 5.5 | 5    |   |
| RSHL 8/S 5,5 | RKHL 8/S 5,5 | 8    |   |