

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

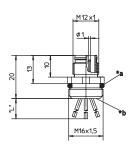
RSFM/0.5 M | RKFM/0.5 M



Male, 3-, 4-, 5- and 8-Pole

Receptacle connector, combined FIXCON/M12 male connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5 (panel nut RSKFM 16).

RSFM/0.5 M



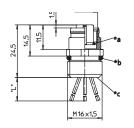


- *a O-ring enclosed separately
- *b solder contacts potted with epoxy
- "L" 0,5

Female, 3-, 4-, 5- and 8-Pole

Receptacle connector, combined FIXCON/ M12 female connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5 (panel nut RSKFM 16).

RKFM/0.5 M





- *a O-Ring
- *b O-ring enclosed separately
- *c solder contacts potted with epoxy

Pin Assignments

Face Views / M12, Male / Female

3 pole















5 pole







8 pole





1 = white 2 = brown 3 = green 4 = yellow 5 = grey 6 = pink 7 = blue

Be Certain with Belden



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

RSFM/0.5 M | RKFM/0.5 M

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

8 poles TPU

Contact CuZn, pre-nickeled and

0.8 microns gold-plated

O-ring FKM

Electrical

 $\begin{array}{ll} \mbox{Contact resistance} & \leq 5 \ \mbox{m} \Omega \\ \mbox{Nominal current at } 40 \mbox{°C} & 3-5 \mbox{ poles } 4 \mbox{ A} \\ \end{array}$

8 poles 1,5 A

Nominal voltage 3–4 poles 240 V 5 poles 60 V

poles 30 V

Rated voltage 3–4 poles 250 V

5 poles 63 V

8 poles 36 V

Test voltage 3-4 poles 2.0 kV eff. / 60 s

5–8 poles 1.5 kV eff. / $60 \ s$

Insulation resistance $> 10^9 \, \Omega$

Pollution degree 3

	Part Number		Pins	Leads (mm²)	Characteristics
,	RSFM 3/0.5 M	RKFM 4-3/0.5 M	3	0.34	
	RSFM 4/0.5 M	RKFM 4/0.5 M	4	0.34	N
	RSFM 5/0.5 M	RKFM 5/0.5 M	5	4 x 0.34 / 1 x 0.50	
	RSFM 8/0.5 M	RKFM 8/0.5 M	8	0.25	N