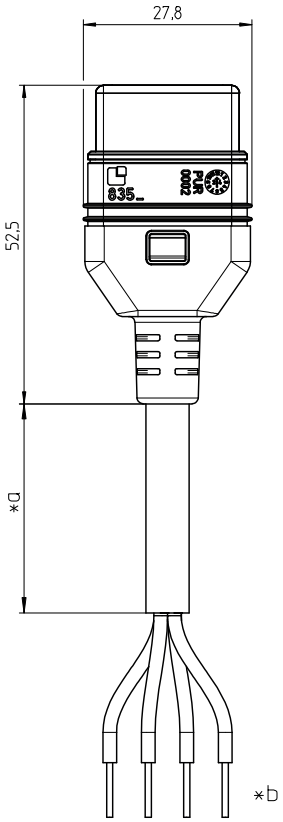
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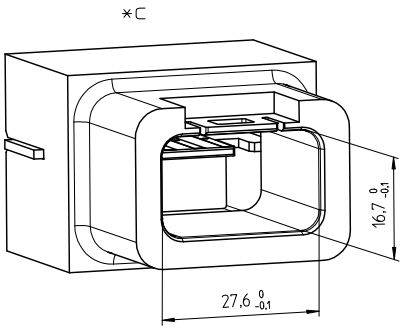
RAST 2.5 connectors, pitch 2.5/5.0 mm



Smplcty™ device connector, based on RAST 2.5 Power, 4 pole, for direct mating, with cable, overmolded, with IP54 sealing to the housing
contact pitch 5.0 mm

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*a length according to customer request
*b line end configuration according to customer request
*c example for a mating port design (on the customer side), for direct mating with the printed circuit board

Environmental conditions

Temperature range	-40 °C/+90 °C [1]

[1] upper limit temperature

Materials

Insulating body	PA, V-2 according to UL94 [1]
Contact spring	Cu alloy, silver-plated
Overmolding/handle	TPU [1]
Further data	Connected cable: PVC, halogen-free, black, 4 x 0.75 mm^2, 909499

[1] component glow wire resistant (GWT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

Mechanical data

Mating with	printed circuit board 1.5 ± 0.14 mm
Insertion force	55 N [1]
Withdrawal force	35 N [1]
Protection class	IP54

[1] measured with a couterpart, including printed circuit board with recommended geometry

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	10.6 A (T_{amb} 25 °C) 7.2 A (T_{amb} 60 °C)
Rated voltage	50 V
Insulation resistance	> 1 GΩ

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
835706	4		