Product data sheet

HUMMEL connectors

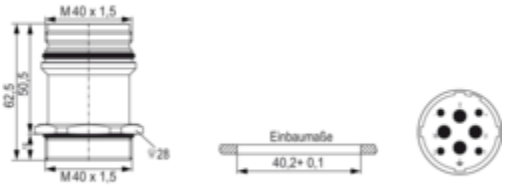
Panel Connector, Male Thread

Front Mounting, 4+3+PE, insert for pins, power

single hole mounted

7.742.043.000
https://www.ac-solutions.be/en/product/7742043000





Specifications

General Characteristics

Number of contacts	8 mixed layout
Gender of required insert	Male
Connector diameter	46 mm
Upper temperature	125 °C
Lower temperature	-40 °C
Connector locking system	Screw
Protection degree	IP67/IP69K
Mating cycles	>500
Terminal type	Crimp
Thread	M40 x 1,5
Wire section (a)	1-4 mm
Wire section (b)	1,5-16 mm
Crimp contacts (to be ordered separately)	4x2mm & 4x3,6mm
Contact diameter (a)	2

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Contact diameter (b)	3.6

Electrical parameters

Nominal current (a)	28 A
Nominal current (b)	55 A
Insulation resistance	> 10^{13}
Nominal voltage (degree of pollution 3) (a)	300 V
Nominal voltage (degree of pollution 3) (b)	600 V
Test voltage (a)	2500 V
Test voltage (b)	4000 V
Max. contact resistance (a)	3 m?
Max. contact resistance (b)	1 m?

Material

Housing material	Copper-Zinc alloy/ Die casting
Housing plating	Nickel plated