

# Product data sheet

## Hummel connectors

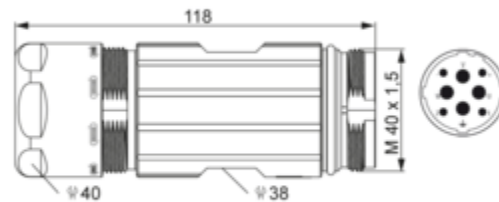
### Straight Connector, Male Thread



## 4+3+PE, inserts for pins, power

7.720.643.000

<https://www.ac-solutions.be/en/product/7720643000>



## 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           |
| Cable diameter                            | 13-18 mm        |
| 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               |
| Contact diameter (b)                      | 3.6             |

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## 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 $\Omega$ |
| Max. contact resistance (b)                 | 1 m $\Omega$ |

## Material

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