

# Product data sheet

## Hummel connectors

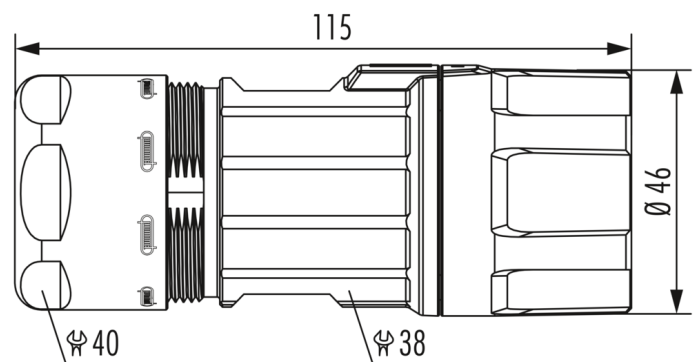
### Twilock-S, Straight Connector, Female Thread



## 4+3+PE, insert for socket, power

7.716.743.00S

<https://www.ac-solutions.be/en/product/771674300s>



## Specifications

### General Characteristics

|                                           |                          |
|-------------------------------------------|--------------------------|
| Number of contacts                        | 8 mixed layout           |
| Gender of required insert                 | Female                   |
| Upper temperature                         | 125 °C                   |
| Lower temperature                         | -40 °C                   |
| Connector locking system                  | Twilock                  |
| Protection degree                         | IP67/IP69K               |
| Mating cycles                             | >500                     |
| Terminal type                             | Crimp                    |
| Cable diameter                            | 17-24 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                      |
| Remark 1                                  | Compatible with Speedtec |

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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                  |