

# Product data sheet

## Binder connectors

Connecting cable, male cable connector M12x1 & female cable connector M12x1

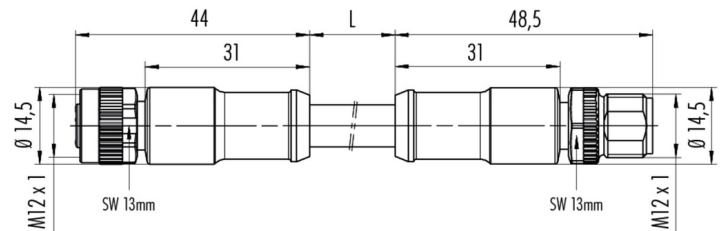


## PUR

UL-approval

77 0690 0689 50704 0500

<https://www.ac-solutions.be/en/product/7706900689507040500>



## Specifications

### General Characteristics

|                    |                 |
|--------------------|-----------------|
| Screw size         | M12-S           |
| Series             | Power           |
| Subseries          | 814             |
| Gender             | Male & Female   |
| Number of contacts | 4               |
| Contact terminal   | Removable screw |
| Color              | Black           |
| Upper temperature  | +85 °C          |
| Lower temperature  | -40 °C          |
| Protection degree  | IP67            |
| Locking system     | Screw(M12-S)    |
| Mating cycles      | >50             |
| Connector Diameter | 14.5 mm         |
| Cable Length       | 5 m             |

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|              |                     |
|--------------|---------------------|
| Cable outlet | 8-10 mm             |
| Wire gauge   | 16 AWG              |
| Wire-section | 1.5 mm <sup>2</sup> |

## Electrical parameters

|                         |        |
|-------------------------|--------|
| Nominal current         | 12 A   |
| Nominal voltage         | 630 V  |
| Impuls voltage          | 6000 V |
| Max. contact resistance | 3 m?   |
| Pollution degree        | 3      |
| Overvoltage categorie   | III    |

## Material

|                     |                             |
|---------------------|-----------------------------|
| Material group      | III                         |
| Material of insert  | PA                          |
| Material of contact | CuSn (Bronze), CuZn (Brass) |
| Plating             | Au (Gold)                   |
| Housing of cable    | PUR                         |