

# Product data sheet

## Binder connectors

### Male cable connector

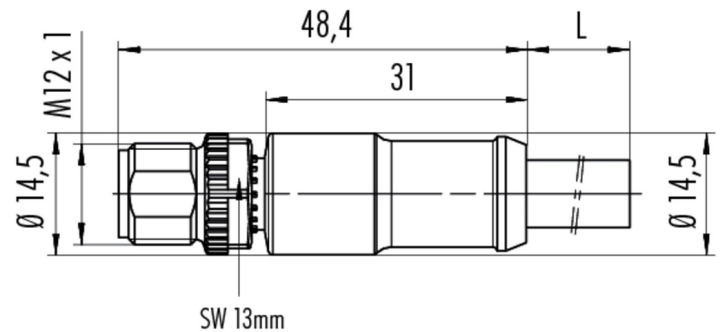


## Moulded, PUR

UL-approval

77 0605 0000 50704 0500

<https://www.ac-solutions.be/en/product/7706050000507040500>



## Specifications

### General Characteristics

|                    |               |
|--------------------|---------------|
| Screw size         | M12-A         |
| Series             | Sensor        |
| Subseries          | 763           |
| Gender             | Male          |
| Number of contacts | 4             |
| Contact terminal   | Moulded       |
| Color              | Black         |
| Upper temperature  | +90 °C        |
| Lower temperature  | -25 °C        |
| Protection degree  | IP69K         |
| Locking system     | Screw (M12-A) |
| Mating cycles      | >100          |
| Connector Diameter | 14.5 mm       |
| Cable Length       | 5 m           |

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|                       |                     |
|-----------------------|---------------------|
| Cable sheath          | 4.7 mm              |
| Wire gauge            | 16 AWG              |
| Wire-section          | 1.5 mm <sup>2</sup> |
| Radius cable fixed    | min. 5xD            |
| Radius cable movable  | min. 10xD           |
| Single lead structure | 32x0,1              |
| Fixing thread         | M12x1,5             |

## Electrical parameters

|                         |        |
|-------------------------|--------|
| Nominal current         | 8 A    |
| Nominal voltage         | 250 V  |
| Impuls voltage          | 2500 V |
| Max. contact resistance | 3 m?   |
| Conductor resistance    | 60     |
| Pollution degree        | 3      |
| Overvoltage categorie   | II     |

## Material

|                        |              |
|------------------------|--------------|
| Material group         | II           |
| Material of insert     | PUR          |
| Material of housing    | PUR          |
| Material of contact    | CuZn (Brass) |
| Plating                | Au (Gold)    |
| Insulation single lead | PP           |