

# Product data sheet

## Binder connectors

### Male panel mount connector

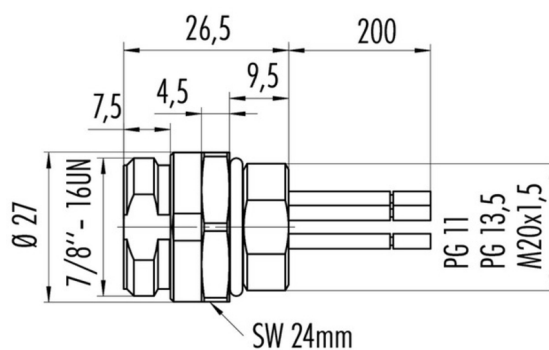
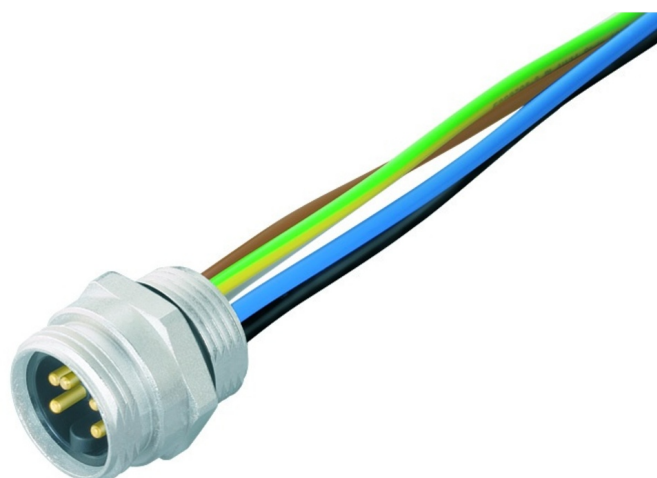


## With single wires

UL-approval

09 2451 310 05

<https://www.ac-solutions.be/en/product/09245131005>



## Specifications

### General Characteristics

|                    |                      |
|--------------------|----------------------|
| Screw size         | 7/8                  |
| Series             | Sensor               |
| Subseries          | 820-870              |
| Gender             | Male                 |
| Number of contacts | 5                    |
| Contact terminal   | Single wires         |
| Upper temperature  | +85 °C               |
| Lower temperature  | -25 °C               |
| Protection degree  | IP67                 |
| Locking system     | Screw (7/8"-16 UN)   |
| Mating cycles      | >100                 |
| Connector Diameter | 27 mm                |
| Wire-section       | 0.82 mm <sup>2</sup> |
| Fixing thread      | PG 11                |

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## Electrical parameters

|                         |                |
|-------------------------|----------------|
| Nominal current         | 8 A            |
| Nominal voltage         | 300 (UL 600) V |
| Impuls voltage          | 2500 V         |
| Max. contact resistance | 5 m?           |
| Pollution degree        | 3              |
| Overvoltage categorie   | III            |

## Material

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Material group      | III                                                 |
| Material of insert  | PUR (UL 94 HB)                                      |
| Material of housing | Brass nickel plated / zinc diecasting nickel plated |
| Material of contact | CuZn (Brass)                                        |
| Plating             | Au (Gold)                                           |