

# Product data sheet

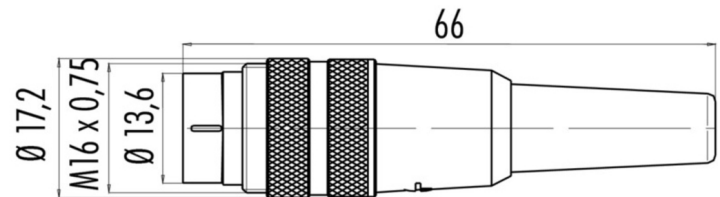
## Binder connectors

### Male cable connector



09 0337 00 16

<https://www.ac-solutions.be/en/product/0903370016>



## Specifications

### General Characteristics

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Screw size         | M16                                                                                       |
| Series             | Miniature                                                                                 |
| Subseries          | 680                                                                                       |
| Gender             | Male                                                                                      |
| Number of contacts | 16                                                                                        |
| Contact terminal   | Solder                                                                                    |
| Upper temperature  | +85 °C                                                                                    |
| Lower temperature  | -40 °C                                                                                    |
| Protection degree  | IP40                                                                                      |
| Locking system     | Screw (M16)                                                                               |
| Mating cycles      | >500                                                                                      |
| Connector Diameter | 17.2 mm                                                                                   |
| Cable outlet       | 3-6 mm                                                                                    |
| Wire-section       | 0.25 mm <sup>2</sup>                                                                      |
| Remark*            | *In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V. |

### Electrical parameters

|                 |     |
|-----------------|-----|
| Nominal current | 3 A |
|-----------------|-----|

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### Male cable connector



|                         |           |
|-------------------------|-----------|
| Nominal voltage         | 60 (32) V |
| Impuls voltage          | 500 V     |
| Max. contact resistance | 3 m?      |
| Pollution degree        | 1 (2)*    |
| Overvoltage categorie   | I (II)*   |

## Material

|                     |                 |
|---------------------|-----------------|
| Material group      | III             |
| Material of insert  | PBT (UL 94 V-0) |
| Material of housing | PA (UL 94 HB)   |
| Material of contact | CuZn (Brass)    |
| Plating             | Au (Gold)       |