

# Product data sheet

## Binder connectors

### Male angled connector



## Plastic version

09 0145 70 07

<https://www.ac-solutions.be/en/product/0901457007>



## Specifications

### General Characteristics

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Screw size         | M16                                                                                       |
| Series             | Miniature                                                                                 |
| Subseries          | 682                                                                                       |
| Gender             | Male                                                                                      |
| Number of contacts | 7                                                                                         |
| Contact terminal   | Solder                                                                                    |
| Upper temperature  | +85 °C                                                                                    |
| Lower temperature  | -40 °C                                                                                    |
| Protection degree  | IP40                                                                                      |
| Locking system     | Screw (M16)                                                                               |
| Mating cycles      | >500                                                                                      |
| Connector Diameter | 17.5 mm                                                                                   |
| Cable outlet       | 4-6 mm                                                                                    |
| Wire-section       | 0.75 mm <sup>2</sup>                                                                      |
| Remark*            | *In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V. |

# Product data sheet

## Binder connectors

### Male angled connector



## Electrical parameters

|                         |            |
|-------------------------|------------|
| Nominal current         | 5 A        |
| Nominal voltage         | 125 (32) V |
| Impuls voltage          | 800 V      |
| Max. contact resistance | 5 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             | Ag (Silver)     |