

Product Male cable connector, cable outlet 3-6 mm  
Area M16 connectors IP 40

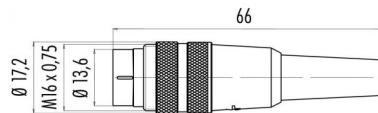
serie 680

Pole 7  
Article number 09 0325 00 07

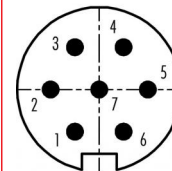
#### illustration



#### scale drawing



#### Contact Arrangement



|   | X     | Y     |
|---|-------|-------|
| 1 | -1,75 | -3,03 |
| 2 | -3,50 | 0,00  |
| 3 | -1,75 | 3,03  |
| 4 | 1,75  | 3,03  |
| 5 | 3,50  | 0,00  |
| 6 | 1,75  | -3,03 |
| 7 | 0,00  | 0,00  |

You can find the item description on the next page.

#### Technical data

##### Common values

|                          |                      |
|--------------------------|----------------------|
| Connector Design         | Male cable connector |
| Connector locking system | Screw                |
| Termination              | solder               |
| Wire gauge (mm)          | 0,75 mm <sup>2</sup> |
| Wire gauge (AWG)         | 20                   |
| Cable outlet             | 3 - 6 mm             |
| Upper temperature        | +85 °C               |
| Lower temperature        | -40 °C               |

##### Material

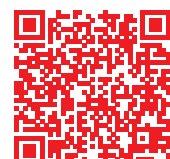
|                          |                 |
|--------------------------|-----------------|
| Material of contact      | CuZn (brass)    |
| Contact plating          | Ag (silver)     |
| Material of contact body | PBT (UL 94 V-0) |
| Material of housing      | PA (UL 94 HB)   |

##### Cable data

Contacts 7, male cable connector, cable outlet  
3 - 6 mm, silver plated contacts

##### Electrical values

|                       |                    |
|-----------------------|--------------------|
| Rated voltage         | 125 V              |
| Rated impulse voltage | 800                |
| Pollution degree      | I                  |
| Overvoltage category  | I                  |
| Material group        | III                |
| Rated current (40 °C) | 5 A                |
| Volume resistivity    | ≤ 5 mΩ             |
| EMV compliance        | not shielded       |
| Degree of protection  | IP 40              |
| Mechanical operation  | >500 mating cycles |



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