

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Product description | Snap-In IP40 female cable connector, Contacts: 5, unshielded, moulded on cable, IP40, PVC black, 5 x 0.25 mm <sup>2</sup> |
| Area                | Snap-In IP40 series 709                                                                                                   |
| Order number        | 79 9006 15 05                                                                                                             |

| Illustration | Scale drawing | Contact arrangement (Plug-in side)                                                                                                                                                                                                                                         |   |              |   |              |   |             |   |              |   |             |
|--------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------|---|--------------|---|-------------|---|--------------|---|-------------|
|              |               | <table style="margin-left: auto; margin-right: auto;"> <tr><td>1</td><td><i>brown</i></td></tr> <tr><td>2</td><td><i>white</i></td></tr> <tr><td>3</td><td><i>blue</i></td></tr> <tr><td>4</td><td><i>black</i></td></tr> <tr><td>5</td><td><i>grey</i></td></tr> </table> | 1 | <i>brown</i> | 2 | <i>white</i> | 3 | <i>blue</i> | 4 | <i>black</i> | 5 | <i>grey</i> |
| 1            | <i>brown</i>  |                                                                                                                                                                                                                                                                            |   |              |   |              |   |             |   |              |   |             |
| 2            | <i>white</i>  |                                                                                                                                                                                                                                                                            |   |              |   |              |   |             |   |              |   |             |
| 3            | <i>blue</i>   |                                                                                                                                                                                                                                                                            |   |              |   |              |   |             |   |              |   |             |
| 4            | <i>black</i>  |                                                                                                                                                                                                                                                                            |   |              |   |              |   |             |   |              |   |             |
| 5            | <i>grey</i>   |                                                                                                                                                                                                                                                                            |   |              |   |              |   |             |   |              |   |             |

## Technical data

### General values

|                          |                        |
|--------------------------|------------------------|
| Connector design         | female cable connector |
| Connector locking system | snap                   |
| Termination              | moulded on cable       |
| Wire gauge (mm)          | 0.25 mm <sup>2</sup>   |
| Wire gauge (AWG)         | AWG 24                 |
| Upper limit temperature  | 70 °C                  |
| Lower limit temperature  | -25 °C                 |
| Customs tariff number    | 85444290               |

### Cable data

|                                                 |            |
|-------------------------------------------------|------------|
| Cable length                                    | 5 m        |
| Sheath material                                 | PVC        |
| Single-lead insulation                          | PVC        |
| Halogen free                                    | No         |
| Single-lead structure                           | 14x0.15 mm |
| Cable diameter                                  | 5.0 mm     |
| Cable color                                     | black      |
| Conductor resistance                            | 79.9       |
| Temperature range, moving cable, °C from -50 °C |            |
| Temperature range, moving cable, °C to +70 °C   |            |
| Temperature range, fixed cable, °C from -25 °C  |            |
| Temperature range, fixed cable, °C to +70 °C    |            |
| Bending radius, fixed cable                     | ≥ 5 x Ø    |
| Bending radius, moving cable                    | ≥ 10 x Ø   |

### Electrical values

|                           |                      |
|---------------------------|----------------------|
| Rated current (40 °C)     | 3 A                  |
| Rated voltage             | 60 V                 |
| Rated impulse voltage     | 800 V                |
| Pollution degree          | 1                    |
| Overvoltage category      | II                   |
| Insulating material group | III                  |
| Insulation resistance     | ≥ 10 <sup>10</sup> Ω |
| EMC compliance            | unshielded           |
| Degree of protection      | IP40                 |
| Mechanical operation      | > 100 Mating cycles  |

### Material

|                       |                      |
|-----------------------|----------------------|
| Contact material      | CuSn (bronze)        |
| Contact plating       | Au (gold)            |
| Contact body material | PA                   |
| Housing material      | PUR                  |
| REACH SVHC            | CAS 7439-92-1 (Lead) |

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## Security notices

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.