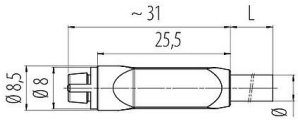
# Product data sheet
## Subminiature connectors

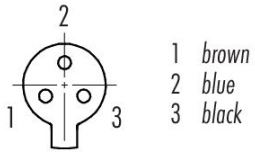
| | |
|---|---|
| Product description | **Snap-In Female cable connector, Contacts: 3, unshielded, moulded on the cable, IP40, PVC, black, 3 x 0.25 mm², 2 m** |
| Area | **Snap-In IP40 series 709** |
| Part no. | **77 7096 0000 10003-0200** |

### Illustration

### Scale drawing




### Contact arrangement (Plug-in side)




## Technical data

### General features

| | |
|---|---|
| Part no. | **77 7096 0000 10003-0200**<br>Alternative part no.: 79 9002 12 03 |
| Connector design | Female cable connector |
| Cable length | 2 m (Standard 2 m and 5 m. Other lengths are available on request.) |
| Version | Connector socket straight |
| Connector locking system | snap-in |
| Termination | moulded on the cable |
| Degree of protection | IP40 |
| Cross-sectional area | 0.25 mm² / AWG 24 |
| Temperature range from/to | -25 °C / 70 °C |
| Mechanical operation | > 100 Mating cycles |
| Weight (g) | 61.00 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

### Electrical parameters

| | |
|---|---|
| Rated voltage | 60 V |
| Rated impulse voltage | 800 V |
| Rated current | 3,0 A |
| Insulation resistance | ≥ $10^{10}$ Ω |
| Pollution degree | 1 |
| Overvoltage category | II |
| Insulating material group | III |
| EMC compliance | unshielded |

### Material

| | |
|---|---|
| Housing material | PUR |
| Contact body material | PA |
| Contact material | CuSn (bronze) |
| Contact plating | Au (gold) |

# Product data sheet
## Subminiature connectors

| | |
|---|---|
| Product description | **Snap-In Female cable connector, Contacts: 3, unshielded, moulded on the cable, IP40, PVC, black, 3 x 0.25 mm², 2 m** |
| Area | **Snap-In IP40 series 709** |
| Part no. | **77 7096 0000 10003-0200** |

| | |
|---|---|
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | 6a64e308-8dc5-4fa1-a2ed-c546ae824f75 |

## Classifications

| | |
|---|---|
| eCl@ss 11.1 | 27-06-03-11 |
| ETIM 9.0 | EC002638 |

## Declarations of conformity

| | |
|---|---|
| Low Voltage Directive | 2014/35/EU (EN 60204-1:2018;EN 60529:1991) |
| RoHS Directive | 2011/65/EU (EN 50581:2012) |

## Cable data - Structure of the cable

| | |
|---|---|
| Cable diameter | 4.5 mm |
| Cross section | 3 x 0.25 mm² |
| Sheath material | PVC |
| Single-lead insulation | PVC |
| Single-lead structure | 32 x 0.10 mm |
| Cable color | black |

## Cable data - Electrical properties

| | |
|---|---|
| Conductor resistance | 79.5 Ω/Km (20°C) |

## Cable data - Mechanical properties

| | |
|---|---|
| Bending radius, fixed cable | 5 x Ø |
| Bending radius, moving cable | 10 x Ø |

## Cable data - Thermal properties

| | |
|---|---|
| Temperature range cable in move from/to | -5 °C / 70 °C |
| Temperature range cable fixed from/to | -25 °C / 70 °C |

## Cable data - Other features

| | |
|---|---|
| Halogen free | no |

| | |
|---|---|
| Product description | **Snap-In Female cable connector, Contacts: 3, unshielded, moulded on the cable, IP40, PVC, black, 3 x 0.25 mm², 2 m** |
| Area | **Snap-In IP40 series 709** |
| Part no. | **77 7096 0000 10003-0200** |

## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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.