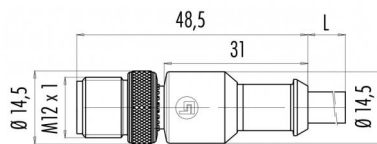


| | | | | |
|--------------|---|-----------|---------------------|--------------------|
| Product Area | Male cable connector moulded M12 connectors B-Coding | serie 766 | Pole Article number | 3 79 4349 50 05 |
|--------------|---|-----------|---------------------|--------------------|

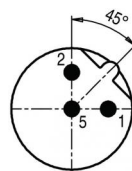
illustration



scale drawing



Contact Arrangement



- 1 braun/brown
- 2 weiß/white
- 5 gelb/grün/yellow/greer

Technical data

Common values

| | |
|--------------------------|-----------------------------|
| Connector Design | Male cable connector |
| Connector locking system | Screw |
| Termination | crimp, overmoulded on cable |
| Wire gauge (mm) | 0,50 mm ² |
| Wire gauge (AWG) | 20 |
| Upper temperature | +85 °C |
| Lower temperature | -25 °C |

Electrical values

| | |
|-----------------------|--------------------|
| Rated voltage | 250 V |
| Rated impulse voltage | 2500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Material group | II |
| Rated current (40°C) | 4 A |
| Volume resistivity | ≤ 3 mΩ |
| EMV compliance | not shielded |
| Degree of protection | IP 68 |
| Mechanical operation | >100 mating cycles |

Material

| | |
|--------------------------|--------------|
| Material of contact | CuZn (brass) |
| Contact plating | Au (gold) |
| Material of contact body | PUR |
| Material of housing | PUR |

Cable data

| | |
|--|-------------|
| material housing | PUR |
| insulation single lead | PVC |
| single lead structure | 63 x 0,1 mm |
| cable sheath Ø | 5 |
| conductor resistance | 39 Ω/Km |
| temperature range cable movable c from | -5 |
| temperature range cable movable c to | 70 |
| temperature range cable fixed c from | -25 |
| temperature range cable fixed c to | 70 |
| bending radius cable fixed | 28 mm |
| bending radius cable movable | 45 mm |
| cable diameter | 5 |



Cable: 3 x 0,5 mm², contacts: 3, male cable connector moulded, cable length 5 m