**Product sheet**

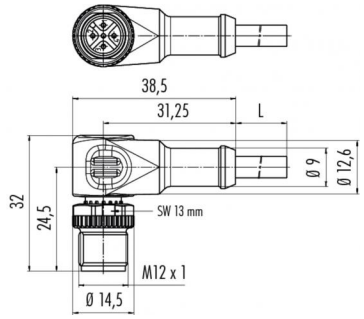
# Automation Technology

| | |
|---|---|
| Product | **Contacts: 3, Cable length: 3 x 0.5mm², male angled connector overmoulded, cable length 5m** |
| Area | **M12-B Series 766** |
| Article number | **77 4427 0000 50003-0500** |

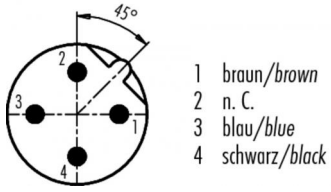
## Illustration



## Scale drawing




## Contact Arrangement




# Technical data

## General features

| | |
|---|---|
| Connector locking system | bolted |
| Termination | crimp, moulded on cable |
| Wire gauge (mm) | 0,34 mm² |
| Wire gauge (AWG) | (22) |
| Upper temperature | 80 °C |
| Lower temperature | -25 °C |

## Cable data

| | |
|---|---|
| material housing | PUR |
| Insulation single lead | PP |
| Single lead structure | 42 x 0,1 |
| Cable sheath Ø | 4.3 |
| Conductor resistance | 60Ω/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 |
| Approval 1 | UL listed |
| Cable diameter | 4.3 |

## Electrical parameters

| | |
|---|---|
| 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 | IP68 |
| Mechanical operation | > 100 Mating cycles |

## Material

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