



General ordering data

| | |
|------------------|---|
| Order No. | 1760050000 |
| Part designation | SAI-6-M 3P IDC |
| Version | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |
| EAN | 4008190200473 |
| Qty. | 1 pc(s). |

Dimensions

| | |
|--------|---------|
| Length | 127 mm |
| Height | 41.5 mm |
| Width | 60 mm |

Technical data

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|--------------------------------|----------------------|
| Ambient temperature, max. | 90 °C |
| Ambient temperature, min. | -20 °C |
| Behaviour in fire | V-0 |
| Bus system | without |
| Clamping range, max. | 1.5 mm ² |
| Clamping range, min. | 0.08 mm ² |
| Connection type PE | Screw connection |
| Contact carrier material | PBT UL 94 V0 |
| Contact surface | tinned |
| Contact tube O-ring material | Viton |
| Contact tube diameter | M12 |
| Core O.D., max. | 1.6 mm |
| Core O.D., min. | 1.2 mm |
| Core cross-section (flexible) | 0 mm |
| Current per signal | 2 A |
| Electrical isolation available | Yes |
| Hood sealing material | Viton |
| Housing colour | grey, RAL 7032 |
| Housing material | Pocan |
| Insulation resistance | 1 MΩ |
| LED colour for I/O function | yellow |

Technical data

| | |
|---|---------------------|
| LED colour for indicating operation | green |
| LED initiator | Yes |
| Number of contact sockets | 6 |
| Ordering data, title | SAI-4/6/8-M IDC |
| Pollution severity | 2 |
| Protection class | IP 67 |
| Rated voltage | 32 V DC |
| Smallest strand diameter | 0 mm |
| Test voltage | 1 kVeff |
| Threaded sockets | CuZn, nickel-plated |
| Total current | 10 A |
| Wiring diagram | |
| max. connection of equal cross-section | 10 |
| max. current-carrying capacity per slot | 3 A |
| max. voltage | 30 V DC |
| min. voltage | 10 V |
| No. of poles | 3 |
| Version | complete module |

Approvals

Approvals institutes

**Classifications**

| | |
|------------|----------|
| ETIM 2.0 | NK |
| ETIM 3.0 | EC001856 |
| eClass 4.1 | NK |
| eClass 5.0 | NK |
| eClass 5.1 | NK |

Similar products

| Order No. | Part designation | Version |
|------------|--------------------|--|
| 1760040000 | SAI-4-M 3P IDC | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |
| 1760041000 | SAI-4-M 3P IDC UT | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |
| 1724750000 | SAI-4/6/8-MH BL3.5 | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |
| 1760051000 | SAI-6-M 3P IDC UT | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |
| 1760060000 | SAI-8-M 3P IDC | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |
| 1760061000 | SAI-8-M 3P IDC UT | Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes |