



General ordering data

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|------------------|---|
| Order No. | 1766750000 |
| Part designation | SAI-6-F 3P IDC PUR 10M |
| Version | Sensor-actuator passive distributor IDC, M12, Fixed cable version, 10.00 m, LED: Yes |
| EAN | 4032248107452 |
| Qty. | 1 pc(s). |

Dimensions

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|--------|--------|
| Length | 127 mm |
| Height | 25 mm |
| Width | 60 mm |

Technical data

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| Ambient temperature, max. | 80 °C |
| Ambient temperature, min. | -20 °C |
| Behaviour in fire | V-0 |
| Bus system | without |
| Conductor O.D., max. | 5 mm |
| Conductor O.D., min. | 3.5 mm |
| 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 |
| Current per signal | 2 A |
| Electrical isolation available | No |
| Housing colour | grey, RAL 7032 |
| Housing material | Pocan |
| Insulation resistance | 1 MΩ |
| LED colour for I/O function | yellow |
| LED colour for indicating operation | green |
| LED initiator | Yes |
| Number of contact sockets | 6 |

Technical data

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|---|---------------------|
| Ordering data, title | SAI-4/6/8-F IDC |
| Pollution severity | 2 |
| Protection class | IP 67 |
| Rated voltage | 32 V DC |
| Sheathing stripping length | 15 mm |
| Suitable for cable carriers | Yes |
| Test voltage | 1 kVeff |
| Threaded sockets | CuZn, nickel-plated |
| Total current | 9 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 |
| Cable length | 10 m |

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 |
|------------|------------------------|--|
| 1766730000 | SAI-4-F 3P IDC PUR 10M | Sensor-actuator passive distributor IDC, M12, Fixed cable version, 10.00 m, LED: Yes |
| 1766720000 | SAI-4-F 3P IDC PUR 5M | Sensor-actuator passive distributor IDC, M12, Fixed cable version, 5.00 m, LED: Yes |
| 1766740000 | SAI-6-F 3P IDC PUR 5M | Sensor-actuator passive distributor IDC, M12, Fixed cable version, 5.00 m, LED: Yes |
| 1766770000 | SAI-8-F 3P IDC PUR 10M | Sensor-actuator passive distributor IDC, M12, Fixed cable version, 10.00 m, LED: Yes |
| 1766760000 | SAI-8-F 3P IDC PUR 5M | Sensor-actuator passive distributor IDC, M12, Fixed cable version, 5.00 m, LED: Yes |