

VK50L321

CONNECTION TECHNOLOGY • CABLE SOCKETS /CONNECTORS ONE-SIDED PRE-ASSEMBLED

ipf cable sockets are used primarily for establishing the electrical connection of sensors. Their features are characterized by rugged design, the highest protection classes (IP67 | IP68 | IP69K) and, if desired, with 360° shielding. With the features: bus-ready, suitable for use with drag chains and robots, resistance to oil and chemicals, resistance to welding sparks, their resistance to cleaning agents or high-pressure and steam-jet cleaning, the expanded temperature range of up to +230°C, the rapid interconnection technology and special data transmission properties, the cable sockets meet all requirements in automation technology.



MECHANICAL DATA

| | |
|--|----------------------|
| Ambient temperature (MAX) | 105 °C |
| Ambient temperature (MIN) | -40 °C |
| Cable length | 5 m |
| Cable sheath color | Grey |
| Contact body material | CuZn |
| Contact coating material | Gold |
| Degree of protection (IP) | IP67 |
| Increased ambient temperature > 90°C | Yes |
| Material of cable sheath | TPE |
| Number of wires | 4 |
| Perm. ambient temperature of cable, fixed cable (MAX) | 105 °C |
| Perm. ambient temperature of cable, fixed cable (MIN) | -40 °C |
| Perm. ambient temperature of cable, flexible cable (MAX) | 105 °C |
| Perm. ambient temperature of cable, flexible cable (MIN) | -25 °C |
| Positioning of cable feed, field side | Angled |
| Seawater-resistant | Yes |
| Suitable for trailing chain | Yes |
| Wire cross section | 0.34 mm ² |

ELECTRICAL DATA

| | |
|---|-----------------|
| Ampacity | 4 A |
| Flow resistance | 5 mOhm |
| Nominal supply voltage | 250 V |
| Number of pins | 4 |
| Rated current I _n | 4 A |
| Rated voltage | 250 V |
| Type of cable | Multi-core |
| Type of electrical connection, field side | M12 |
| Type of plug-in contact, field side | Female (socket) |
| With LED display | No |

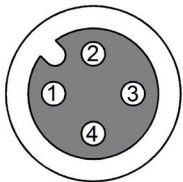
OPTICAL DATA

| | |
|-------------------|---|
| Degree of soiling | 3 |
|-------------------|---|

OTHER DATA

| | |
|---|-----|
| Acid and alkali-resistant | Yes |
| Flame resistant | Yes |
| Free of LABS | Yes |
| Halogen-free | Yes |
| Hydrolysis-proof | Yes |
| Hygienic and wet area | Yes |
| IR-networked | No |
| Oil and cooling lubricants | Yes |
| Ozone and UV-resistant | Yes |
| Recyclable | Yes |
| RoHs-compliant | Yes |
| Suitable for trailing chain and torsion resistant | Yes |

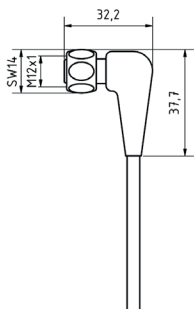
CONNECTION



Colors: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)

Functions:

DIMENSIONAL DRAWING



INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.