

## AV98C597

### CONNECTION TECHNOLOGY • CONNECTORS / PLUGS

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)     | 80 °C                |
| Ambient temperature (MIN)     | -25 °C               |
| Contact body material         | Brass                |
| Contact coating material      | Gold                 |
| Degree of protection (IP)     | IP67                 |
| Insulating body material      | PA                   |
| Number of wires               | 4                    |
| Pitch of installation thread  | 1.5 mm               |
| Type of installation thread   | M16                  |
| Type of mechanical connection | Screw fitting M8     |
| Wire cross section            | 0.22 mm <sup>2</sup> |
| With thread                   | Yes                  |

#### ELECTRICAL DATA

|   |             |
|---|-------------|
| Ampacity                                  | 4 A         |
| Length of single cores                    | 0.5 m       |
| Number of pins                            | 4           |
| Rated voltage                             | 30 V        |
| Suitable for self-assembly                | Yes         |
| Type of electrical connection, inner side | Wire        |
| Type of electrical connection, outer side | M8          |
| Type of plug-in contact, outer side       | Male (plug) |

#### OTHER DATA

|         |                         |
|---------|-------------------------|
| Version | Built-in plug, complete |
|---------|-------------------------|

#### 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.