

## VK505C25

### 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)	90 °C
Ambient temperature (MIN)	-30 °C
Cable length	5 m
Cable sheath color	Black
Contact body material	CuZn
Contact coating material	Gold
Degree of protection (IP)	IP67
Housing material	TPU
Material of cable sheath	PUR (Polyurethane)
Max. tightening torque	1 Nm
Number of wires	12
Perm. ambient temperature of cable, fixed cable (MAX)	90 °C
Perm. ambient temperature of cable, fixed cable (MIN)	-40 °C
Perm. ambient temperature of cable, flexible cable (MAX)	60 °C
Perm. ambient temperature of cable, flexible cable (MIN)	-25 °C
Positioning of cable feed, field side	Straight
Suitable for trailing chain	Yes
Wire assembly	18 x 0.1mm
Wire cross section	0.14 mm <sup>2</sup>

#### ELECTRICAL DATA

Flow resistance	5 mOhm
Line diameter	6 mm
Number of pins	12
Rated current I <sub>n</sub>	1.5 A
Rated voltage	30 V
Shielded	Yes
Type of cable	Multi-core
Type of electrical connection, field side	M12
Type of electrical connection, housing side	Free conductor end
Type of plug-in contact, field side	Female (socket)

## ELECTRICAL DATA

With LED display

No

## OPTICAL DATA

Degree of soiling

3

## OTHER DATA

Flame resistant

In accordance with EN 60332-2-2

Free of LABS

Yes

Halogen-free

Yes

Hydrolysis-proof

Yes

IR-networked

No

Oil and cooling lubricants

Yes

Ozone and UV-resistant

Yes

RoHS-compliant

Yes

Silicone-free

Yes

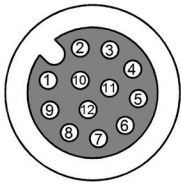
Suitable for trailing chain and torsion resistant

Yes

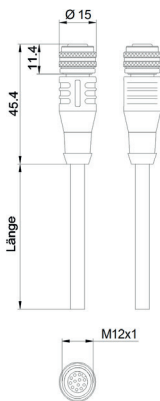
Welding area

Yes

## CONNECTION



## 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.