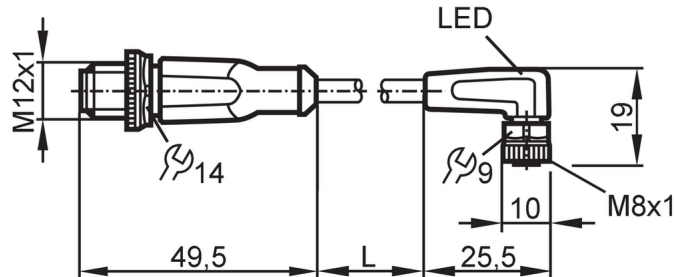




Connection cable

VDOAF032MSS0003H03STGH030MSS

Please see the technical note under "Downloads"



Application

Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Application	Industrial applications; Oils and coolants
Free from silicone	yes

Electrical data

Operating voltage [V]	10...36 DC
Protection class	III
Max. current load total [A]	3

Outputs

Electrical design	PNP
-------------------	-----

Operating conditions

Ambient temperature [°C]	-25...90
Note on ambient temperature	cULus: ...75
Ambient temperature (moving) [°C]	-25...90
Note on ambient temperature (moving)	cULus: ...75
Protection	IP 65; IP 67; IP 68; IP 69K

Tests / approvals

MTTF [years]	31710
--------------	-------

Mechanical data

Weight	[g]	114.5	
Molded-body material		TPU (urethane)	
Material nut		brass, nickel-plated	
Sealing material		FKM	
Drag chain suitability		yes	
Drag chain suitability		Bending radius for flexible applications	min. 10 x cable diameter
		Travel speed	max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s²
		Bending cycles	> 5 Mio.
		Torsional strain	± 180 °/m

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

EVC631



Connection cable

VDOAF032MSS0003H03STGH030MSS

Remarks	
Notes	Please see the technical note under "Downloads"
Pack quantity	1 pcs.

Electrical connection - plug

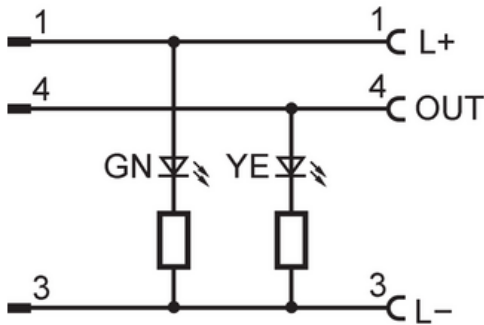
Connector: 1 x M12, straight; coding: A; Contacts: 3, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



Electrical connection

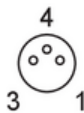
Cable: 3 m, PUR, Halogen-free, black, Ø 4.3 mm; 3 x 0.34 mm² (42 x Ø 0.1 mm)

Connection



Electrical connection - Socket

Connector: 1 x M8, angled; coding: A; Contacts: 3, gold-plated; Moulded body: TPU (urethane), black transparent; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.3...0.5 Nm



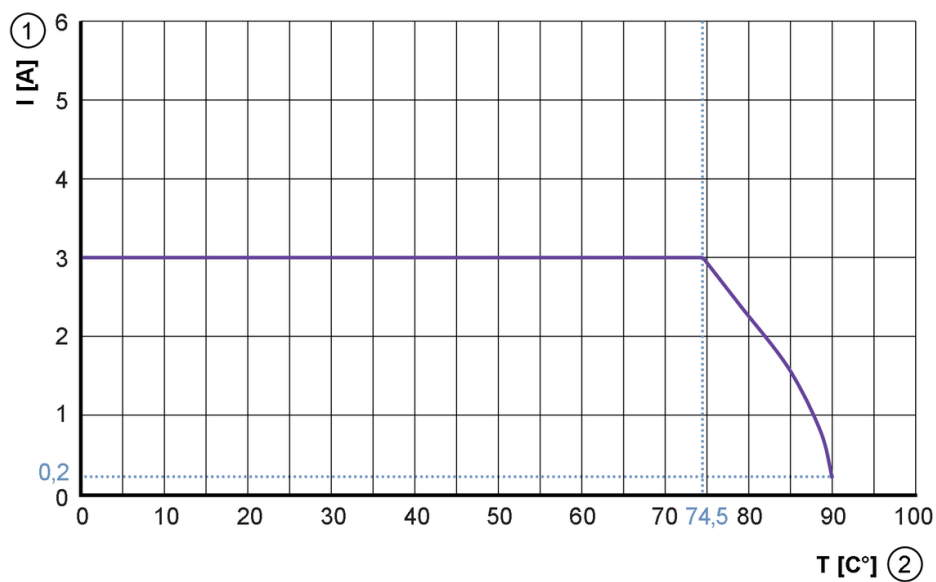


Connection cable

VDOAF032MSS0003H03STGH030MSS

Diagrams and graphs

Characteristic curve for derating



- 1 Current [A]
- 2 Ambient temperature [°C]