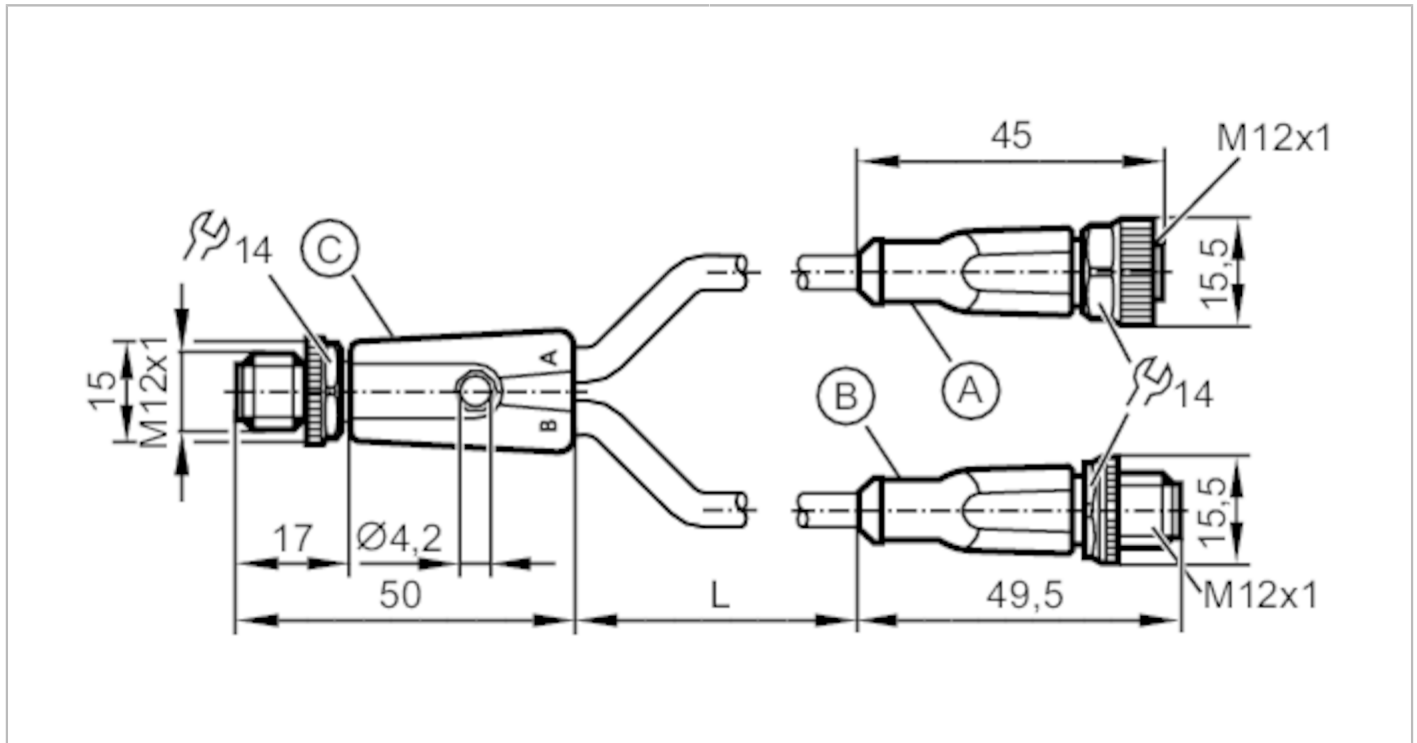# EVC801

Y connection cable

YDSGH050MSS0002H05STGH050MSS

Application	
Special feature	Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability
Free from silicone	yes
Electrical data	
Operating voltage [V]	30 DC
Protection class	III
Max. current load total [A]	4
Operating conditions	
Ambient temperature [°C]	-25...90
Protection	IP 65; IP 67; IP 68; IP 69K
Mechanical data	
Weight [g]	186.5
Materials	Connecting cable with plug: TPU orange; Connecting cable with socket: TPU orange; Sealing: Viton
Material nut	brass, nickel-plated / brass, nickel-plated / brass, nickel-plated
Drag chain suitability	yes

Drag chain suitability		
	bending radius for flexible use	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

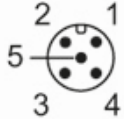| Remarks	
Notes	Please see the technical note under "Downloads"
Pack quantity	1 pcs.

EVC801

Y connection cable

YDSGH050MSS0002H05STGH050MSS
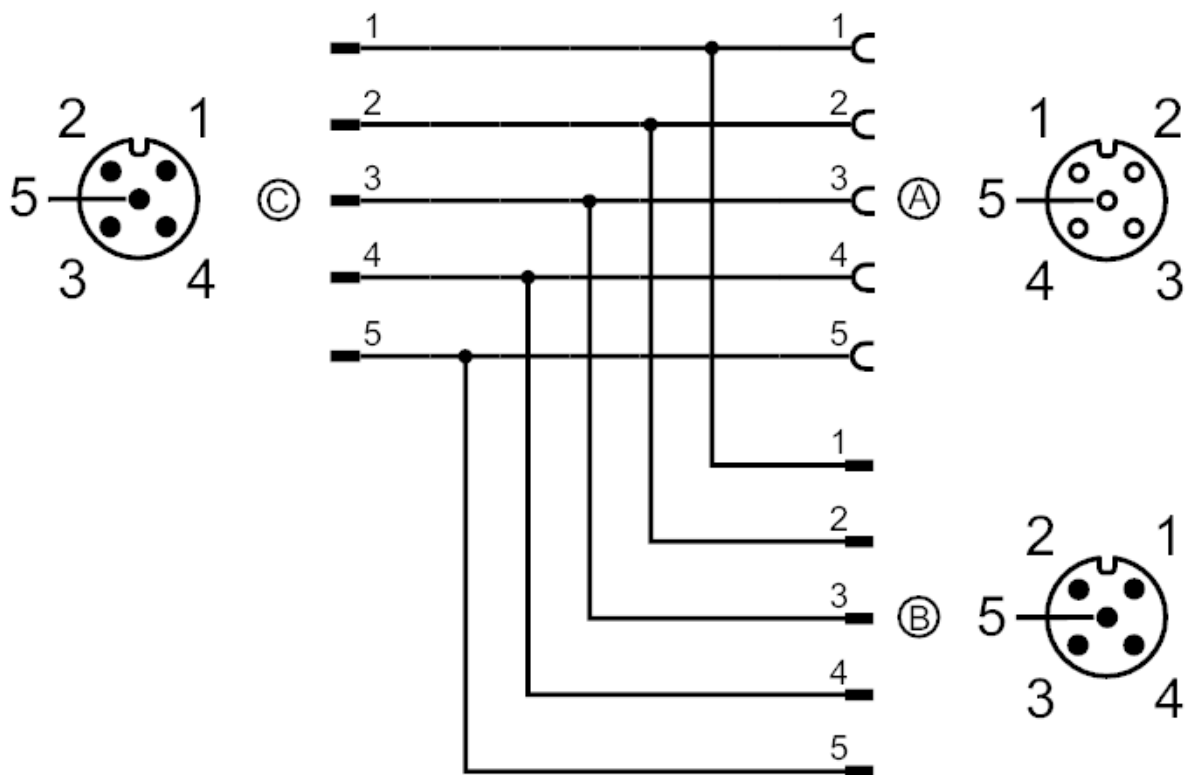
Electrical connection - plug C

Connector: M12; Moulded body: TPU, orange; Locking: Lock nut, brass, nickel-plated; Sealing: Viton; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Take into account the maximum value of the counterpart!

Electrical connection

Cable: 2 m, PUR, Halogen-free, black, Ø 4.9 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

Connection

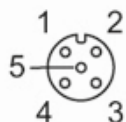## Electrical connection - socket A

Connector: M12; Moulded body: TPU, orange; Locking: Lock nut, brass, nickel-plated; Sealing: Viton; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Take into account the maximum value of the counterpart!
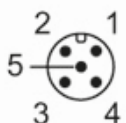
EVC801

Y connection cable
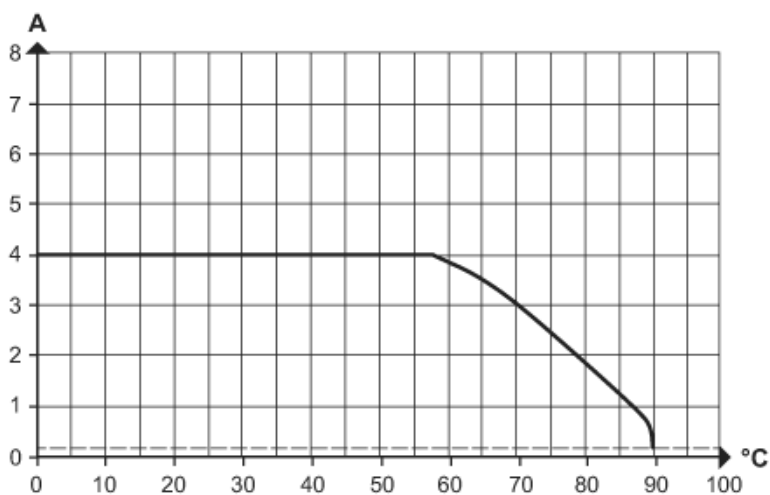
YDSGH050MSS0002H05STGH050MSS

Electrical connection - plug B

Connector: M12; Moulded body: TPU, orange; Locking: Lock nut, brass, nickel-plated; Sealing: Viton; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Take into account the maximum value of the counterpart!

Diagrams and graphs

Derating Imax * 0.8 DIN EN 60512-5-2

X   Ambient temperature [°C]

Y   Current [A]