

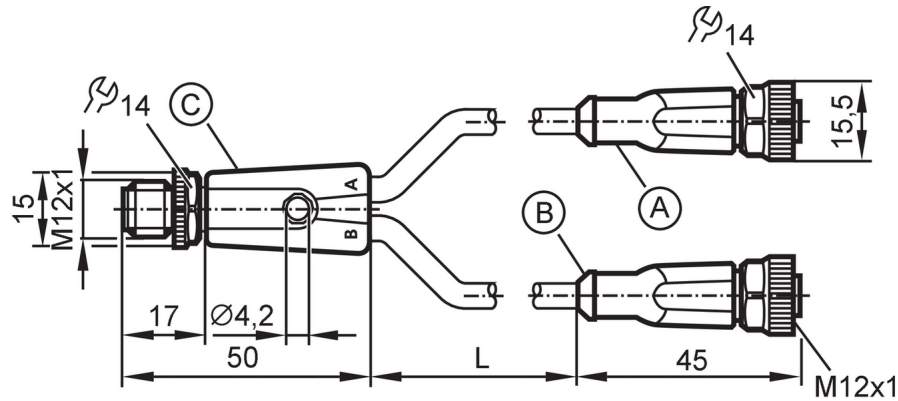
# EVC614



## Y connection cable

YDOGH050MSS00,3H05STGH050MSS

Please see the technical note under "Downloads"



Application	
Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Free from silicone	yes
Electrical data	
Operating voltage [V]	< 60 AC/DC
Protection class	II
Max. current load total [A]	3
Operating conditions	
Ambient temperature [°C]	-25...90
Ambient temperature (moving) [°C]	-25...90
Storage temperature [°C]	-25...55
Storage humidity [%]	10...100
Other climatic conditions for storage according to stated class	1K22/ DIN 60721-3-1
Protection	IP 65; IP 67; IP 68; IP 69K
Mechanical data	
Weight [g]	72.3
Molded-body material	TPU (urethane)
Material nut	brass, nickel-plated
Sealing material	FKM
Number of ports splitter box	2
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/s <sup>2</sup>
	Bending cycles > 5 Mio.
	Torsional strain ± 180 °/m
Remarks	
Notes	Please see the technical note under "Downloads"

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Pack quantity

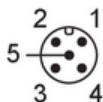
1 pcs.

### Electrical connection

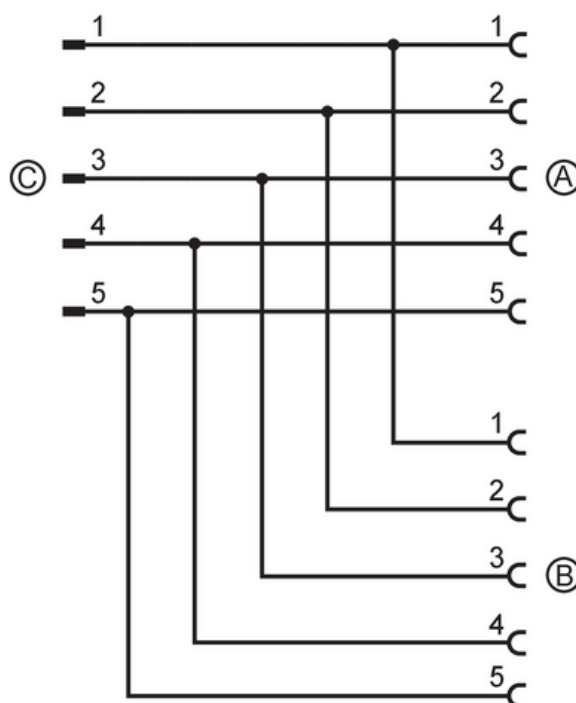
Cable: 0.3 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - plug C

Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm

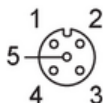


### Connection



### Electrical connection - Socket A/B

Connector: 2 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm



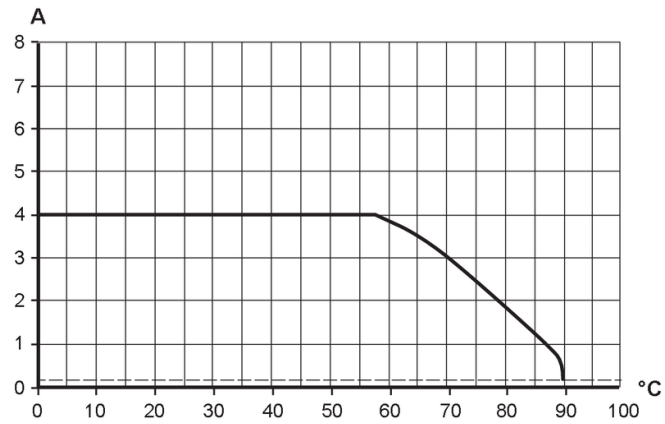
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### Diagrams and graphs



Derating  $I_{max} * 0.8$  DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]