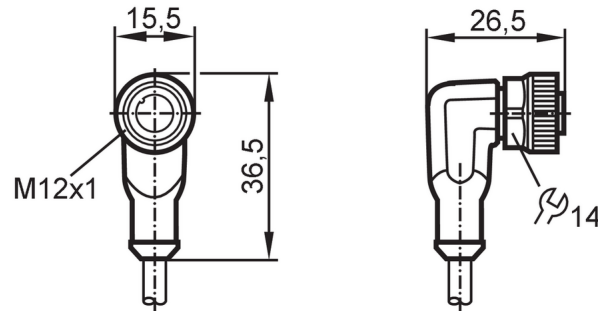


Female cordset

ADOAH050MSS00,6H05

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]	< 60 AC/DC
Protection class		II
Max. current load total	[A]	4
Overall current rating (UL)	[A]	3
Operating conditions		
Ambient temperature	[°C]	-25...90
Note on ambient temperature		cULus: ...75 °C
Ambient temperature (moving)	[°C]	-25...90
Note on ambient temperature (moving)		cULus: ...75 °C
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]	43.2
Dimensions	[mm]	26.5 x 15.5 x 36.5
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

EVC524

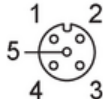


Female cordset

ADOAH050MSS00,6H05

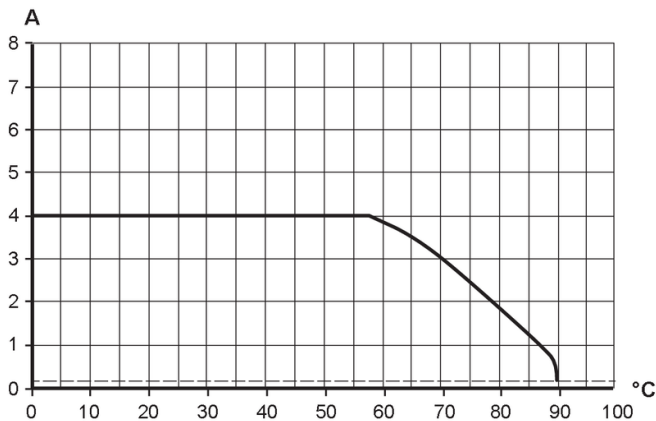
Remarks	
Notes	Please see the technical note under "Downloads"
Pack quantity	1 pcs.

Electrical connection
Cable: 0.6 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm)

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


Connection	
1	BN
2	WH
3	BU
4	BK
5	GY
Core colors : BK = black BN = brown BU = blue GY = grey WH = white	

Diagrams and graphs



The graph shows the relationship between ambient temperature and current. The y-axis represents current in Amperes (A) from 0 to 8. The x-axis represents ambient temperature in degrees Celsius (°C) from 0 to 100. The current is constant at 4A from 0°C to 55°C. After 55°C, the current decreases linearly to 0A at 90°C.

Ambient temperature [°C]	Current [A]
0	4.0
10	4.0
20	4.0
30	4.0
40	4.0
50	4.0
55	4.0
60	3.8
70	3.0
80	1.8
90	0.0

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

X Ambient temperature [°C]

Y Current [A]