

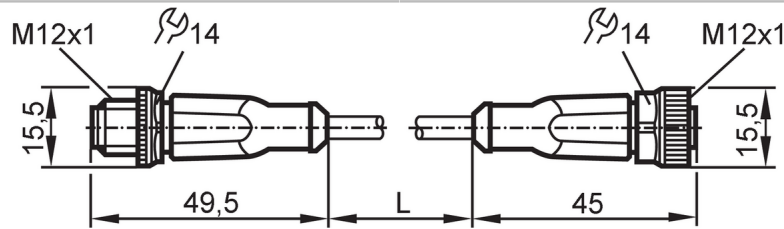
# EVC055



## Connection cable

VDOGH050MSS00,3H05STGH050MSS

Please see the technical note under "Downloads"



| Application   |   |  |
|---|---|--|
| Special feature   | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability              |  |
| Application   | Industrial applications / factory automation; Use in machine tools, coolants and lubricants |  |
| 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]  | 47.2  |  |
| Moulded-body material   | TPU   |  |
| Material nut  | brass, nickel-plated  |  |
| Sealing material  | FKM   |  |
| 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/s <sup>2</sup> |
|   | bending cycles  | > 5 Mio.   |
|   | torsional strain  | ± 180 °/m  |
| Remarks   |   |  |
| Notes   | Please see the technical note under "Downloads"   |  |
| Pack quantity   | 1 pcs.  |  |

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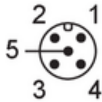


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### Electrical connection - plug

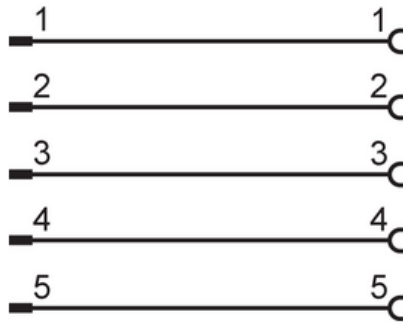
Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



### Electrical connection

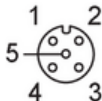
Cable: 0.3 m, PUR, Halogen-free, black,  $\varnothing$  4.6 mm; 5 x 0.34 mm<sup>2</sup> (42 x  $\varnothing$  0.1 mm)

### Connection

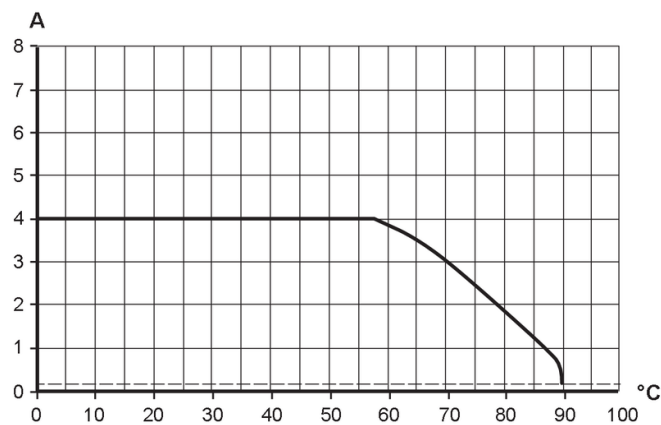


### Electrical connection - socket

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



### Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]