

# ENC16A



## Connecting cable with socket

ADOGH050MSN0050H05/1G/1D



| Application                 |                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Special feature             | Free from silicone; Halogen-free; Gold-plated contacts                                                  |
| Free from silicone          | yes                                                                                                     |
| Compatible with paint       | yes                                                                                                     |
| Electrical data             |                                                                                                         |
| Operating voltage [V]       | < 30 DC                                                                                                 |
| Protection class            | II                                                                                                      |
| Max. input power [mW]       | group II: 1000; group IIIB: 1000; group IIIC: 550<br>(Ta < 90 °C) / 650 (Ta < 70 °C) / 750 (Ta < 40 °C) |
| Max. current load total [A] | 1                                                                                                       |
| Operating conditions        |                                                                                                         |
| Ambient temperature [°C]    | -25...90                                                                                                |
| Note on ambient temperature | for use in hazardous areas: ambient temperature in accordance with unit marking                         |
| Protection                  | IP 67; (when used outside the hazardous area: IP 68 / IP 69K)                                           |
| Tests / approvals           |                                                                                                         |
| Approval                    | BVS 11 ATEX E 009 X; IECEx BVS 11.0002 X                                                                |
| ATEX marking                | II 1G Ex ia IIB T6 Ga Ta: -25...80°C                                                                    |
|                             | II 2G Ex ia IIC T6 Gb Ta: -25...80°C                                                                    |
|                             | II 1D Ex ia IIIC T85°C Da Ta: -25...80°C                                                                |
|                             | II 1G Ex ia IIB T5 Ga Ta: -25...90°C                                                                    |
|                             | II 2G Ex ia IIC T5 Gb Ta: -25...90°C                                                                    |
|                             | II 1D Ex ia IIIC T95°C Da Ta: -25...90°C                                                                |

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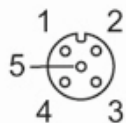
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| Safety classification     |                                                                                                                                                                        |                                   |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Max. internal capacitance | [nF]                                                                                                                                                                   | 5                                 |
| Max. internal inductance  | [µH]                                                                                                                                                                   | 100                               |
| Mechanical data           |                                                                                                                                                                        |                                   |
| Weight                    | [g]                                                                                                                                                                    | 1737.5                            |
| Dimensions                | [mm]                                                                                                                                                                   | 15.5 x 15.5 x 45                  |
| Materials                 |                                                                                                                                                                        | housing: TPU orange; Sealing: FKM |
| Material nut              |                                                                                                                                                                        | brass, nickel-plated              |
| Remarks                   |                                                                                                                                                                        |                                   |
| Remarks                   | Special conditions for safe operation apply for use in hazardous areas.<br>Observe the corresponding notes in the operating instructions (Ex protection related part). |                                   |
| Pack quantity             |                                                                                                                                                                        | 1 pcs.                            |

| Electrical connection                                                         |  |
|-------------------------------------------------------------------------------|--|
| Cable: 50 m, PUR, Halogen-free, blue, Ø 4.9 mm; 5 x 0.34 mm² (42 x Ø 0.1 mm ) |  |

| Electrical connection - socket                                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| Connector: 1 x M12, straight; coding: A; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |  |



### Connection

|   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |
| 5 | GY |

|                |       |
|----------------|-------|
| Core colours : |       |
| BK =           | black |
| BN =           | brown |
| BU =           | blue  |
| GY =           | grey  |
| WH =           | white |