

## Connecting cable with socket

ADOAH050MSN0050H05/1G/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 | Ex II 1G Ex ia IIB T6 Ga Ta: -25...80°C     |
|              | Ex II 2G Ex ia IIC T6 Gb Ta: -25...80°C     |
|              | Ex II 1D Ex ia IIIC T85°C Da Ta: -25...80°C |
|              | Ex II 1G Ex ia IIB T5 Ga Ta: -25...90°C     |
|              | Ex II 2G Ex ia IIC T5 Gb Ta: -25...90°C     |
|              | Ex II 1D Ex ia IIIC T95°C Da Ta: -25...90°C |

# ENC14A



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### Safety classification

|                           |      |     |
|---------------------------|------|-----|
| Max. internal capacitance | [nF] | 5   |
| Max. internal inductance  | [μH] | 100 |

### Mechanical data

|              |      |                                   |
|--------------|------|-----------------------------------|
| Weight       | [g]  | 1724                              |
| Dimensions   | [mm] | 26.5 x 15.5 x 36.5                |
| Materials    |      | housing: TPU orange; Sealing: FKM |
| Material nut |      | brass, nickel-plated              |

### Remarks

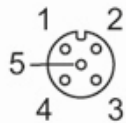
|               |                                                                                                                                                                        |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

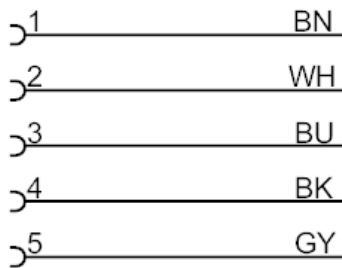
Cable: 50 m, PUR, Halogen-free, blue, Ø 4.9 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - socket

Connector: 1 x M12, angled; coding: A; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Connection



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