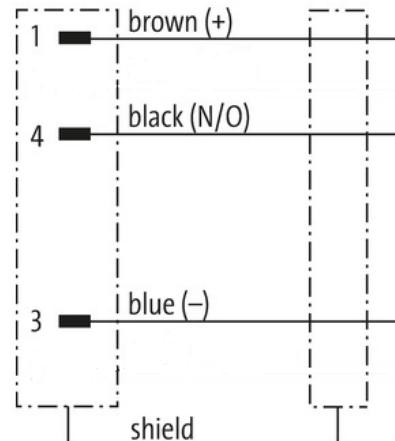


## Product Data Sheet

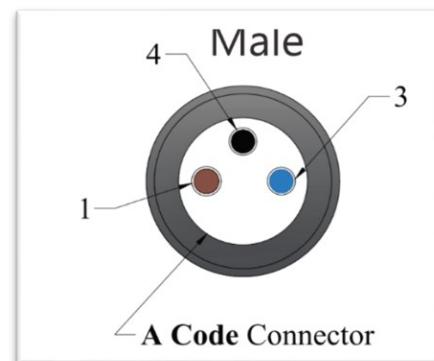
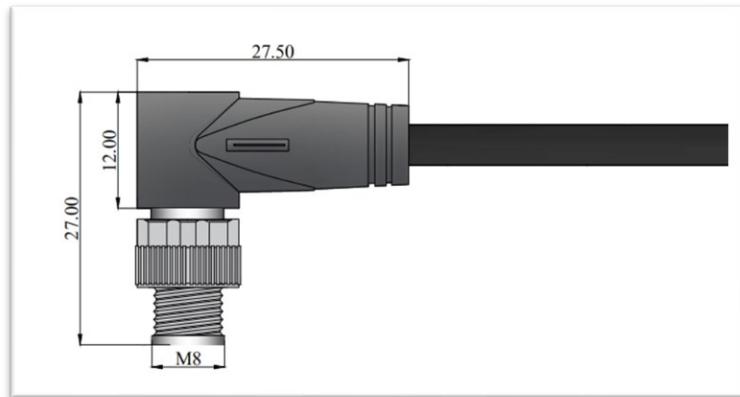
## Sensors and Actuator

- ❖ Product description- M8 Male Angled A Code 3 Pin Pur Shielded 3x0.34 Black
- ❖ 248-97-153-334-XXXX
- ❖ Series -M8 A coded

## Illustration



-Colour customization available based on MOQ



Product may differ from image



Product Datasheet Rev.No-01 Effective date-11-02-2026

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India. Contact- info@leiindias.com; sales@leiindias.com; www.leiindias.com; +91-7448296005; +91-020-66205306 GST No-27AACL5628E1ZL  
Factory Address: 2347/B Wagholi Warehouse, Pune Nagar Road, Wagholi, Pune- 412207, Maharashtra, India.

## Product Data Sheet

## Sensors and Actuator

## Technical Data

Operating voltage	300V AC/DC*
Rated Surge Voltage	1.5 kV
Operating current per contact AMP	Max. 4 A
Connection type head A	Male connector, M8, 3-pin, 90° Angle, A coded
Connection type head B	Open end
Protection	IP67, IP68, IP69
Housing Material	TPU
Locking nut material	Brass, Nickel plated
LED display	No
Connector colour	Black
Tightening torque	0.4 Nm

## Electrical Data

Overvoltage category	II
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 mΩ
Test voltage	≥ 3000 V
Conductor material	Bare Cu litz wires
Max. conductor resistance	Max. 78 Ω/km (at 20 °c)
Nominal voltage	≤ 300 v

## Mechanical Data

Insertion/withdrawal cycles	≥ 100
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## Product properties

Application	Actuator-sensor, gigabit ethernet & Profibus	
Partly UV-resistant	in accordance with DIN	EN ISO 4892-2-A
Flammability rating According to UL 94	HB	

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## Product Data Sheet

## Sensors and Actuator

## General Data

Standards	IEC-61076-2-101 (M12)
Mounting method	Inserted, tightened.
Pin Contact	CuZn
Housing contact	CuSn
Material (contact surface)	Au
Pollution Degree	3
Stripping length (jacket)	20 mm (If required)
Temperature range	-25.....+105°C

## Cable Data

Cable Type	PUR
Cable weight	49 g/m
Diameter (core)	3*0.34 mm <sup>2</sup> .
AWG	similar to AWG 22
Material (wire isolation)	PP
Material property (wire isolation)	Halogen-, CFC-, cadmium-, silicone- and lead-free
Colour/numbering of wires	Brown, Blue, Black
Stranding combination	3 wires twisted
Shield	Yes
Shielding	Tin braided
Optical shield covering	Min 85%
Material (jacket)	PUR
Outer-Ø (jacket)	5.00 ±0.2mm
Colour (jacket)	Black
Chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
Thermal resistance	flame retardant UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Temperature range (fixed)	-40...+80 °C, (+105 °C. at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C, (+105 °C. at max. 10 000 operating hours)
Bend radius (fixed)	8× outer Ø
Bend radius (moving)	12× outer Ø
No. of bending cycles (C-track)	10 Mio. (25 °C)
Acceleration (C-track)	Max. 10 m/s

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## Product Data Sheet

## Sensors and Actuator

<b>Torsion stress</b>	±180°/m
<b>No. of torsion cycles</b>	max.2 Mio(25°C)
<b>Torsion speed</b>	35 cycle/min

## Approvals

UL

CE

cULus

RoHS

Note: This product has been manufactured by the following Class-I, Class-II and class-III **IPC** standards

To understand the MPN please refer the below Table

248-97-153-334-XXXX	
24	Series
8	M8 connector
9	Male
7	Angle 90°
1	A code
5	PUR shielded cable-black
3	3 pole connector
3	3 core cable
34	0.34 mm <sup>2</sup> (Core size)
XXXX	Cable length as per customer requirement

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