DATASHEET - E76-CNT010P-M12

Sensor, contrast, M18, Sn=10mm, 10-30VDC, PNP, M12

Part no. **E76-CNT010P-M12**
166892

General specifications	
Product name	Eaton Moeller® series E76 Optical contrast sensor
Part no.	E76-CNT010P-M12
EAN	4015081643066
Product Length/Depth	802.23 millimetre
Product height	170.18 millimetre
Product width	134.62 millimetre
Product weight	0.1 kilogram
Certifications	Certified by UL for use in Canada UL CSA File No.: UL report applies to both US and Canada UL Category Control No.: NRKH, NRKH7 CSA-C22.2 No. 14 UL File No.: E166051 UL 508 CE IEC/EN 60947-5-2
Product Tradename	E76
Product Type	Optical contrast sensor
Product Sub Type	None
Product Specification Details	
Adjustment type	Other
Ambient operating temperature - max	55 °C
Ambient operating temperature - min	-10 °C
Ambient storage temperature - max	70 °C
Ambient storage temperature - min	-20 °C
Cable sheath material	Other
Connection type	Plug-in connection M12 x 1 4-wire
Degree of protection	IP67 NEMA 4X
Diameter sensor	18 mm
Electric connection type	Connector M12
Enclosure material	Plastic
Enclosure type	Cylinder, screw-thread
Fiber optics core material	Other
Functions	Contrast sensing Short-circuit protection Reflected-light beam
Lamp type	Other
Laser protection class	Other
LED indicator	Status indication of Operating voltage: Green LED Status indication of Switching state: Yellow LED
Light dot size	0 mm^2
Light type	Other Infrared light
Load current	Max. 100 mA (Ie)
No-load current	0 A
Number of contact energized outputs with signalling function	0
Number of outputs (semiconductor with signaling function)	0
Operating distance - max	10 mm
Operating mode	Switching principle: Adjustable bright/dark switching
Operating temperature - max	55 °C
Operating temperature - min	-10 °C

Operation agent-safety class			Safety class 2
Optical surface material			Plastic
Output current (mA) - max			100 mA
Product category			E76 IntelliView Series
Rated switching distance (Sn)			100 mm
Response time			0.19 ms
Sensor height			0 mm
Sensor length			81.5 mm
Sensor material			Insulated material
Shock resistance			30 g, Mechanical, Shock duration 11 ms
Switch function type			Programmable/configurable
Switching frequency			2700 Hz
Switching output type			PNP
Type			Optical sensors
Vibration resistance			According to IEC/EN 60068-2-6 10 - 55 Hz, Amplitude 0.5 mm
Voltage rating - max			30 V
Voltage type			DC
Width sensor			0 mm
Wire size			0

Technical data ETIM 9.0

Sensors (EG000026) / Luminescence sensor (EC001822)

Electric engineering, automation, process control engineering / Sensor technology, safety-related sensor technology / Optoelectronic sensor / Luminescence scanner (ecl@ss13-27-27-09-08 [AKP257020])

Lamp type			Other
Analogue output 0 V ... 10 V			No
Analogue output 0 mA ... 20 mA			No
Analogue output 4 mA ... 20 mA			No
Analogue output -10 V ... +10 V			No
Type of electric connection			Connector M12
Number of semiconductor outputs with signalling function			0
Number of contact energized outputs with signalling function			0
Type of switching output			PNP
Type of switch function			Programmable/configurable
With blanking function			No
Operation agent-safety class			Safety class 2
Width sensor		mm	0
Height of sensor		mm	0
Length of sensor		mm	81.5
Diameter sensor		mm	18
Setting procedure			Other
Type of frequency band of the receiving spectrum			Other
Construction type housing			Cylinder, screw-thread
Laser protection class			Other
No-load current		mA	0
Type of light			Infrared light
Light dot		mm^2	0
With fibre optics connection			No
Max. output current		mA	100
Nominal operating distance		mm	10
Switching frequency		Hz	2700
Degree of protection (IP)			IP67
Degree of protection (NEMA)			4X
Voltage type			DC
Ambient temperature		°C	-10 - 55

With exchange lens			No
Material of optical surface			Plastic
Housing material			Plastic
Material of cable sheath			Other
Material fibre optics core			Other
With time function			No
AWG-number			0

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