

Specifications



Eaton 166892

Eaton Moeller® series E76 Sensor, contrast, M18, Sn=10mm, 10-30VDC, PNP, M12

General specifications

PRODUCT NAME	Eaton Moeller® series E76 Optical contrast sensor
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CATALOG NUMBER	166892
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MODEL CODE	E76-CNT010P-M12
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EAN	4015081643066
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PRODUCT LENGTH/DEPTH	802.23 mm
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PRODUCT HEIGHT	170.18 mm
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PRODUCT WIDTH	134.62 mm
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PRODUCT WEIGHT	0.1 kg
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CERTIFICATIONS	CSA-C22.2 No. 14 CSA File No.: UL report applies to both US and Canada UL UL Category Control No.: NRKH, NRKH7 Certified by UL for use in Canada UL File No.: E166051 UL 508 CE IEC/EN 60947-5-2
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Product specifications

TYPE	Optical sensors
ELECTRIC CONNECTION TYPE	Connector M12
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Cylinder, screw-thread
OPERATING MODE	Switching principle: Adjustable bright/dark switching
FUNCTIONS	Reflected-light beam Short-circuit protection Contrast sensing
VOLTAGE TYPE	DC
WIRE SIZE	0
LAMP TYPE	Other
CONNECTION TYPE	4-wire Plug-in connection M12 x 1
FIBER OPTICS CORE MATERIAL	Other
CABLE SHEATH MATERIAL	Other
LIGHT TYPE	Infrared light Other
DEGREE OF PROTECTION	NEMA 4X IP67
LED INDICATOR	Status indication of Switching state: Yellow LED Status indication of Operating voltage: Green LED
SWITCH FUNCTION TYPE	Programmable/configurable
LOAD CURRENT	Max. 100 mA (Ie)
LASER PROTECTION CLASS	Other
OPERATION AGENT-SAFETY CLASS	Safety class 2
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
OPTICAL SURFACE MATERIAL	Plastic
OUTPUT CURRENT (MA) - MAX	100 mA
RATED SWITCHING DISTANCE (SN)	100 mm
SENSOR HEIGHT	0 mm

Resources

BROCHURES	eaton-sensors-brochure-br053001en-en-us.pdf
CATALOGUES	Product Range Catalog Sensors – products, basic information, applications
DRAWINGS	eaton-proximity-switches-e76-sensor-dimensions.eps eaton-proximity-switches-e76-sensor-3d-drawing.eps
INSTALLATION INSTRUCTIONS	IL05305008Z
MCAD MODEL	DA-CS-90 28293 005 DA-CD-90 28293 005

SENSOR LENGTH	81.5 mm
VOLTAGE RATING - MAX	30 V
SWITCHING FREQUENCY	2700 Hz
SWITCHING OUTPUT TYPE	PNP
SENSOR MATERIAL	Insulated material
VIBRATION RESISTANCE	10 - 55 Hz, Amplitude 0.5 mm According to IEC/EN 60068-2-6
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E76 IntelliView Series
RESPONSE TIME	0.19 ms
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-10 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-20 °C
DIAMETER SENSOR	18 mm
LIGHT DOT SIZE	0 mm ²
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 TEMPERATURE - MAX	55 °C
OPERATING TEMPERATURE - MIN	-10 °C
ADJUSTMENT TYPE	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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