

Specifications



Eaton 166927

Eaton Moeller® series E76 Optical sensors, Reflected-light beam, Color sensing, 3 NO PNP outputs, 8 conductor, 10 - 30 V DC, Sn = 450 mm, Plug-in connection M12 x 1

General specifications

PRODUCT NAME	Eaton Moeller® series E76 Optical color sensor
CATALOG NUMBER	166927
MODEL CODE	E76-CLRMKP-M12
EAN	4015081643035
PRODUCT LENGTH/DEPTH	25 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	50 mm
PRODUCT WEIGHT	0.43 kg
CERTIFICATIONS	UL File No.: E166051 UL CSA File No.: UL report applies to both US and Canada UL Category Control No.: NRKH, NRKH7 CE UL 508 IEC/EN 60947-5-2 Certified by UL for use in Canada CSA-C22.2 No. 14

Product specifications

TYPE	Optical sensors
ELECTRIC CONNECTION TYPE	Plug-in connection
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Cuboid
FUNCTIONS	Color sensing Short-circuit protection Reflected-light beam
VOLTAGE TYPE	DC
WIRE SIZE	0
LAMP TYPE	Other
OUTPUT	3 NO PNP Outputs
CONNECTION TYPE	Plug-in connection M12 x 1 8 conductor
FIBER OPTICS CORE MATERIAL	Other
CABLE SHEATH MATERIAL	Other
LIGHT TYPE	White light Other
DEGREE OF PROTECTION	IP67 NEMA 4X
LED INDICATOR	Status indication of Switching state: Yellow LED
SWITCH FUNCTION TYPE	Normally open contact (NO)
LASER PROTECTION CLASS	Other
OPERATION AGENT-SAFETY CLASS	Safety class 2
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
OPTICAL SURFACE MATERIAL	Glass
OUTPUT CURRENT (MA) - MAX	100 mA
RATED SWITCHING DISTANCE (SN)	450 mm
SENSOR HEIGHT	50 mm
SENSOR LENGTH	50 mm
VOLTAGE RATING - MAX	30 V
SWITCHING FREQUENCY	770 Hz
SWITCHING OUTPUT TYPE	PNP

Resources

BROCHURES	eaton-sensors-brochure-br053001en-en-us.pdf
DRAWINGS	eaton-proximity-switches-e76-sensor-dimensions-002.eps eaton-proximity-switches-e76-sensor-3d-drawing-002.eps
INSTALLATION INSTRUCTIONS	IL05305009Z
MCAD MODEL	DA-CS-90_28293_004 eaton-photoelectric-sensors-mcad-drawings-90-28293-004.dwg

VIBRATION RESISTANCE	10 - 55 Hz, Amplitude 0.5 mm According to IEC/EN 60068-2-6
WIDTH SENSOR	25 mm
PRODUCT CATEGORY	E76 IntelliView Series
RESPONSE TIME	0.65 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
NUMBER OF CONTACT ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION	0
NUMBER OF OUTPUTS (SEMICONDUCTOR WITH SIGNALING FUNCTION)	3
OPERATING DISTANCE - MAX	45 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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