

Eaton 135720

Catalog Number: 135720

Eaton Moeller® series E65 Retroreflective sensing sensor, Sn=3m, 4L, 10-30VDC, light, NPN, PNP, quad 40, insulated material, line 2m



General specifications

Product Name	Catalog Number
Eaton Moeller® series E65 Retroreflective sensor	135720
	EAN 4015081325139
Product Length/Depth	Product Height
139.7 mm	139.7 mm
Product Width	Product Weight
38.1 mm	0.11 kg
Certifications	Catalog Notes
UL	Yellow
CE	
IEC/EN 60947-5-2	
UL 508	
UL File No.: E166051	
UL Category Control No.: NRKH, NRKH7	

CSA File No.: UL report applies to both
US and Canada
CSA-C22.2 No. 14
Certified by UL for use in Canada

Product specifications

Type

Optical sensors

Features

Polarized light

Electric connection type

Cable

Enclosure material

Plastic

Enclosure type

Cuboid

Operating mode

Switching principle: Light switching

Explosion safety category for dust

None

Explosion safety category for gas

None

Functions

Protection against wire breakage

For combination with reflector

Protection against polarity reversal

Reflected-light beam

Short-circuit protection

Voltage type

DC

Connection type

2 m connection cable

4-wire

Light type

Other

Degree of protection

IP68

NEMA 6P, 13

Interface type

Other

LED indicator

Status indication of Switching state: Red LED

Status indication of Operating voltage: Green LED

Resources

Catalogs

Product Range Catalog Sensors – products, basic information, applications

Declarations of conformity

DA-DC-00004657.pdf

DA-DC-00004652.pdf

Drawings

eaton-proximity-switches-dimensions.eps

eaton-proximity-switches-dimensions-012.eps

eaton-proximity-switches-dimensions-011.eps

eaton-proximity-switches-3d-drawing.eps

Installation instructions

IL05305004Z

mCAD model

DA-CS-90_28290_006

DA-CD-90_28290_006

Switch function type

Other

Load current

Max. 100 mA (I_e)

Laser protection class

None

Shock resistance

50 g, Mechanical, Shock duration 10 ms

Optical surface material

Plastic

Output current (mA) - max

100 mA

Output current at protected output - max

0 mA

Rated control supply voltage (U_s) at AC, 50 Hz - max

0 V

Rated control supply voltage (U_s) at AC, 50 Hz - min

0 V

Rated control supply voltage (U_s) at AC, 60 Hz - max

0 V

Rated control supply voltage (U_s) at AC, 60 Hz - min

0 V

Rated control supply voltage (U_s) at DC - max

30 V

Rated control supply voltage (U_s) at DC - min

10 V

Rated switching distance (S_n)

3000 mm

Reflector distance - min

0 mm

Sensor height

43 mm

Sensor length

41 mm

Switching distance - max

0 mm

Switching voltage of OSSD at state high

30 V

Transmission range of the safety field

0 m

Voltage rating - max

30 V

Safety type (IEC 61496-1)

1

Switching frequency

500 Hz

Sensing mode

Light switching

Switching output type

PNP/NPN

Sensor material

Insulated material

Wavelength of the sensor

660 nm

Width sensor

33 mm

Product category

E65 SM Series

Response time

1 ms

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-25 °C

Ambient storage temperature - max

70 °C

Ambient storage temperature - min

-25 °C

Diameter sensor

0 mm

Light dot size

0 mm²

Number of contact energized outputs with signalling function

0

Number of outputs (protected contact energized)

0

Number of outputs (protected semiconductor)

0

Number of outputs (semiconductor with signaling function)

2

Operating temperature - max

55 °C

Operating temperature - min

-25 °C

Operational current (Ib) in the switched state at 24 V DC

20 A

Adjustment type

Other



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