



Proximity Sensor, HxWxD=53x31x80mm, analog, S_n=0.3-4.0m, 15-30VDC, 0-10V, 2 PNP, M12



Part no. E75-DST400A010-M12
 Catalog No. 166996
 Eaton Catalog No. E75-DST400A010-M12

Delivery program

Basic function			Optical sensors
Product range			E75 IntelliView Series
For connection of:			Plug-in connection M12 x 1
Design (outer dimensions)		mm	Rectangular
Rated operational voltage	U _e		15 - 30 V DC
Rated switching distance	S _n	mm	4000
Description			2 programmable PNP outputs 1 analog output 0 - 10 V
Connection			5 conductor
Function			Reflected-light beam
Type of light			Visible red
Switching type			PNP
Switching principle			analog (0 - 10 V) Light switching

Information relevant for export to North America

Product Standards UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking

UL File No. E166051

UL Category Control No. NRKH, NRKH7

CSA File No. UL report applies to both Canada and US

North America Certification UL listed, certified by UL for use in Canada

Max. Voltage Rating 30 V DC

Degree of Protection IEC: IP67; UL/CSA Type: -

Technical data

General

Standards			IEC/EN 60947-5-2
Ambient temperature			0 - +50
Operation	θ	°C	0 - +50
Storage	θ	°C	-20 - +70
Mechanical shock resistance		g	30 Shock duration 11 ms
Degree of Protection			IP67
Vibration			Amplitude 0.5 mm: 10 - 55 Hz. IEC/EN 60068-2-6

Characteristics

Rated switching distance			
Rated switching distance	S _n	mm	4000
Rated operational voltage	U _e		15 - 30 V DC
Maximum load current	I _e	mA	< 100
Switching Frequency		Hz	42
Response time		ms	12
Switching state display		LED	Yellow
Operating voltage display		LED	Green
Protective functions			Short-circuit protective device
Connection			5 conductor
Style			
Design (outer dimensions)		mm	Rectangular

For connection of:		Plug-in connection M12 x 1
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Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	0
Operating ambient temperature max.	°C	50

Technical data ETIM 7.0

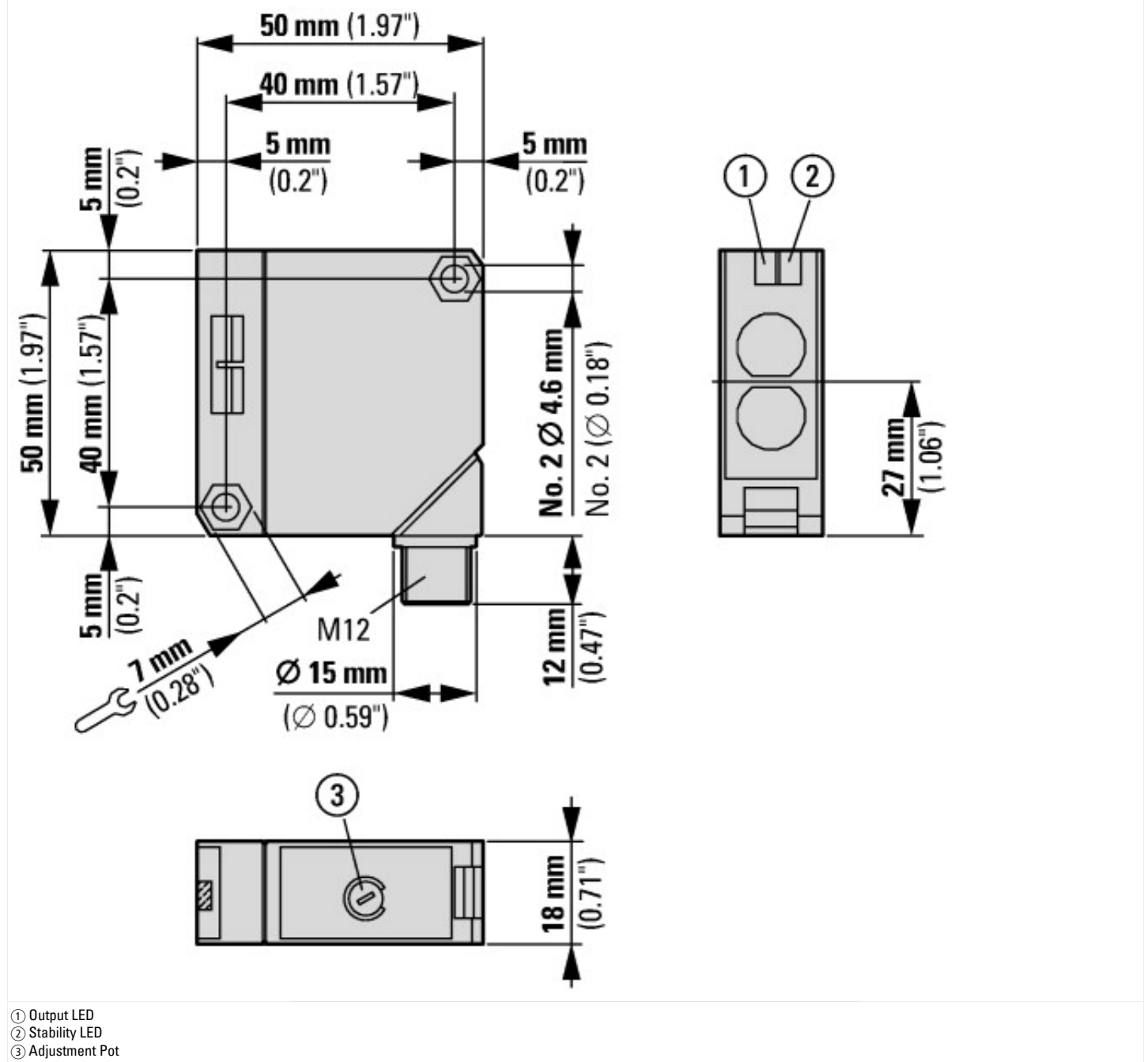
Sensors (EG000026) / Light scanner, energetic (EC001821)		
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Optoelectronic sensor / Light scanner, energetic (ecl@ss10.0.1-27-27-09-03 [AKP252013])		
Operating distance	mm	300 - 4000
Pre failure notice		No
With time function		No
Max. switching distance	mm	4000
Max. output current	mA	100
Reflector included		No
Analogue output 0 V ... 10 V		Yes
Analogue output 0 mA ... 20 mA		No
Analogue output 4 mA ... 20 mA		No
Analogue output -10 V ... +10 V		No
With other analogue output		No
Setting procedure		Other
With communication interface analogue		No
With communication interface AS-Interface		No
With communication interface CANOpen		No
With communication interface DeviceNet		No
With communication interface Ethernet		No
With communication interface INTERBUS		No
With communication interface PROFIBUS		No
With communication interface RS-232		No
With communication interface RS-422		No
With communication interface RS-485		No
With communication interface SSD		No
With communication interface SSI		No
Number of semiconductor outputs with signalling function		2
Number of contact energized outputs with signalling function		1
Number of protected semiconductor outputs		0
Number of protected contact energized outputs		0
Type of interface for safety communication		-
Type of electric connection		Plug-in connection M12
Type of electric connection		Connector M12
Type of switching output		PNP
Type of switch function		Other
Operation agent-safety class		-
Explosion safety category for gas		None
Explosion safety category for dust		None
Construction type housing		Cuboid
Width sensor	mm	31
Diameter sensor	mm	0
Height of sensor	mm	53
Length of sensor	mm	80
Sensing mode		Light switching
Material of optical surface		Plastic
Material housing		Plastic
Max. output current at protected output	mA	0

Min. reflector distance	mm	0
Time of reaction	ms	12
Transmission range of the safety field	m	0
Switching frequency	Hz	42
Type of safety acc. IEC 61496-1		-
"Switching voltage of OSSD at state ""high""	V	30
Voltage type		DC
Voltage type		DC
With monitoring function downstream switching devices		No
Laser protection class		Class 2
Wavelength of the sensor	nm	665
Type of light		Laser diode, red light
Light dot	mm ²	0
AWG-number		0
Material of cable sheath		-
With restart blockage		No
Suitable for safety functions		No
Degree of protection (IP)		IP67
Degree of protection (NEMA)		6
Ambient temperature	°C	0 - 50
Rated control supply voltage Us at AC 50HZ	V	0 - 0
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	16 - 28

Approvals

Product Standards		UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking
UL File No.		E166051
UL Category Control No.		NRKH, NRKH7
CSA File No.		UL report applies to both Canada and US
North America Certification		UL listed, certified by UL for use in Canada
Max. Voltage Rating		30 V DC
Degree of Protection		IEC: IP67; UL/CSA Type: -

Dimensions



Assets (links)

Declaration of CE Conformity

00002590

Instruction Leaflets

IL05305011Z2018_05

Additional product information (links)

IL05305011Z Optical sensors: Distance Laser

IL05305011Z Optical sensors: Distance Laser ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05305011Z2018_05.pdf