



Thru-beam photoelectric sensor, transmitter, Sn=6m, 4L, 10-30VDC, light/dark, NPN, PNP, M18, insulated material

Part no. 11100A6517
Article no. 135555
Catalog No. 11100A6517

Delivery program

Basic function			Optical sensors
Product range			Comet Series
For connection of:			2 m connection cable
Design (outer dimensions)		mm	M18 x 1
Rated operational voltage	U_e		10 - 30 V DC
Rated switching distance	S_n	mm	6000
Description			Source (for combination with detector) Beam: straight
Connection			4-wire
Function			Thru-beam photoelectric sensor
Type of light			Visible red
Material			Insulated material
Switching type			NPN PNP
Information relevant for export to North America			
Product Standards UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking			
UL File No. E117028			
UL Category Control No. NRKH, NRKH7			
CSA File No. 50513			
CSA Class No. 3211-07			
North America Certification UL listed, CSA certified			
Max. Voltage Rating 30 V DC			
Degree of Protection IEC: IP68, IP69K; UL/CSA Type: 1, 4, 6			

Technical data

General

Standards			IEC/EN 60947-5-2
Ambient temperature			-20 - +70
Mechanical shock resistance		g	100 Shock duration 3 ms
Degree of Protection			IP67

Characteristics

Rated switching distance			
Rated switching distance	S_n	mm	6000
Range		mm	6
Rated operational voltage	U_e		10 - 30 V DC
Operating current in the switched state at 24 V DC	I_b	mA	25
Maximum load current	I_e	mA	< PNP: 100 NPN: 250 (120 > 55 °C)
Response time		ms	3.5
Operating voltage display		LED	red
Protective functions			Short-circuit protective device Protection against polarity reversal
Connection			4-wire
Style			
Design (outer dimensions)		mm	M18 x 1
For connection of:			2 m connection cable
Material			Insulated material

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-20
Operating ambient temperature max.		°C	70

Approvals

Product Standards			UL 508; CSA-C22.2 No. 14; IEC60947-5-2; CE marking
UL File No.			E117028
UL Category Control No.			NRKH, NRKH7
CSA File No.			50513
CSA Class No.			3211-07
North America Certification			UL listed, CSA certified
Max. Voltage Rating			30 V DC
Degree of Protection			IEC: IP68, IP69K; UL/CSA Type: 1, 4, 6

Dimensions

The drawing shows a side view of the sensor with an installed adapter. Key dimensions include a total length of 42.9, a mounting hole diameter of Ø14.2, and a sensor body length of 56. Callouts 1 and 2 point to the light/dark and gain adjustment features. A detail view shows the mounting bracket with an M12x1 thread and a 11.9 width.

Sensor with installed adapter

- ① Light/dark
- ② Gain

Additional product information (links)

IL05305002Z Comet Series Optical Sensors		
IL05305002Z Comet Series Optical Sensors		ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05305002Z2016_07.pdf