DATASHEET - 11100R6517



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



Part no. 11100R6517 Catalog No. 135559 Alternate Catalog 11100R6517

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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: right-angled
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

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	l _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

Design verification as per IEC/EN 61439

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

Technical data ETIM 7.0

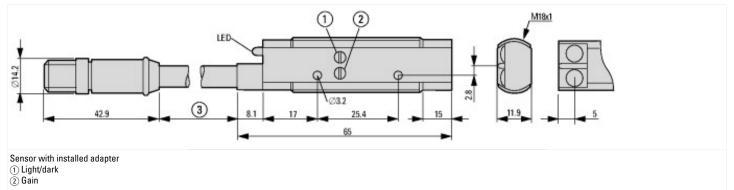
lechnical data ETIM 7.0		
Sensors (EG000026) / One-way light barrier (EC002716)		
Electric engineering, automation, process control engineering / Binary sensor to [ecl@ss10.0.1-27-27-09-01 [AKP250013])	echnology, safety-related	sensor technology / Optoelectronic sensor / One-way light barrier
Scope of delivery of the one-way system		Transmitter
pening angle	0	0
re failure notice		No
/ith time function		No
ated switching distance	mm	6000
Max. switching distance	mm	6000
1ax. output current	mA	100
deflector included		No
nalogue output 0 V 10 V		No
nalogue output 0 mA 20 mA		No
nalogue output 4 mA 20 mA		No
nalogue output -10 V +10 V		No
Vith other analogue output		No
Setting procedure		Manual adjustment
Vith communication interface analogue		No
Vith communication interface AS-Interface		No
Vith communication interface CANOpen		No
/ith communication interface DeviceNet		No
lith communication interface Ethernet		No
/ith communication interface INTERBUS		No
lith communication interface PROFIBUS		No
/ith communication interface RS-232		No
/ith communication interface RS-422		No
/ith communication interface RS-485		No
/ith communication interface SSD		No
lith communication interface SSI		No
umber of semiconductor outputs with signalling function		0
umber of contact energized outputs with signalling function		0
umber of protected semiconductor outputs		0
umber of protected contact energized outputs		0
ype of interface for safety communication		Other
/pe of electric connection		Cable
ype of switching output		PNP/NPN
/pe of switch function		Other
peration agent-safety class		Safety class 2
xplosion safety category for gas		None
xplosion safety category for dust		None
onstruction type housing		Cylinder, screw-thread
fidth sensor	mm	0
iameter sensor	mm	18
eight of sensor	mm	0
ength of sensor	mm	65
ensing mode		Light-/dark switching
Naterial of optical surface		Plastic
Naterial housing		Plastic

Max. output current at protected output	mA	0
Min. reflector distance	mm	0
Ambient temperature	°C	20 - 70
Time of reaction	ms	0
Transmission range of the safety field	m	0
Switching frequency	Hz	0
Type of safety acc. IEC 61496-1		
"Switching voltage of OSSD at state ""high"""	V	0
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	10 - 30
Voltage type		DC
With monitoring function downstream switching devices		No
Laser protection class		None
Wavelength of the sensor	nm	0
Type of light		Polarity free red light
Light dot	mm ²	0
AWG-number		0
Material of cable sheath		Polyurethane (PUR)
With restart blockage		No
Suitable for safety functions		No
Degree of protection (IP)		IP67
Degree of protection (NEMA)		4

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



Assets (links)

Declaration of CE Conformity

00002430

Instruction Leaflets

IL05305002Z2018_05

Additional product information (links)

IL05305002Z Comet Series Optical Sensors

IL05305002Z Comet Series Optical Sensors ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05305002Z2018_05.pdf