DATASHEET - E67-LRDP100-HDD



Proximity switch, optical, long range 100cm, 18-30VDC, NPN, PNP, dark, micro



E67-LRDP100-HDD Part no. Catalog No. 100547

Alternate Catalog

E67-LRDP100-HDD

No.

4315320 **EL-Nummer**

(Norway)

Delivery program

Zonion, program			
Basic function			Optical sensors
Product range			E67 Long Range Series
For connection of:			Plug-in connection M12 x 1
Design (outer dimensions)		mm	Rectangular (166 x 59 x 43)
Rated operational voltage	U _e		18 – 30 V DC
Rated switching distance	S_n	mm	1000
Description			with background suppression (Perfect Prox)
Connection			4-wire
Function			Reflected-light beam
Type of light			Infra-red
Switching type			NPN PNP
Switching principle			Dark switching

Technical data

General

delicial			
Ambient temperature			-35 - +55
Operation	9	°C	-35 - +55
Storage	9	°C	-40 - +70
Mechanical shock resistance			30 Shock duration 6 ms
Degree of Protection			IP67
Vibration			10 g (10 Hz - 2 kHz)

Characteristics

Rated switching distance Rated switching distance Rated operational voltage Maximum load current Response time Switching state display Operating voltage display Connection Let B. LED B. Green 4-wire				
Rated operational voltage Ue 18 – 30 V DC Maximum load current Response time ms 15 Switching state display Operating voltage display LED Green	Rated switching distance			
Maximum load current Response time ms 15 Switching state display Derating voltage display LED Green	Rated switching distance	S _n mm	mm	1000
Response time ms 15 Switching state display LED Red Operating voltage display LED Green	Rated operational voltage	U _e		18 – 30 V DC
Switching state display Derating voltage display LED Red LED Green	Maximum load current	I _e mA	mA	< 100
Operating voltage display LED Green	Response time	ms	ms	15
	Switching state display	LEC	LED	Red
Connection 4-wire	Operating voltage display	LEC	LED	Green
	Connection			4-wire
Style	Style			
Design (outer dimensions) mm Rectangular (166 x 59 x 43)	Design (outer dimensions)	mm	mm	Rectangular (166 x 59 x 43)
For connection of: Plug-in connection M12 x 1	For connection of:			Plug-in connection M12 x 1

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-35
Operating ambient temperature max.	°C	55

Technical data ETIM 7.0

Sensors (EG000026) / Light scanner with background masking (EC002719)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Optoelectronic sensor / Light scanner w. background masking (ecl@ss10.0.1-27-27-09-04 [AKP253013])

Adjustment range 0 - 1000

Tempo	Operating distance	mm	0 - 0
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Analogue output 10V + 10V Medical canalogue output Me	Analogue output 0 mA 20 mA		No
With other analogue output Image: Control of the Control	Analogue output 4 mA 20 mA		No
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With communication interface analogue I	With other analogue output		No
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With communication interface DANOpen	With communication interface analogue		No
With communication interface Delivered	With communication interface AS-Interface		No
With communication interface RNTERBUS No With communication interface RNTERBUS No With communication interface RNTERBUS No With communication interface RS-322 No With communication interface RS-422 No With communication interface RS-422 No With communication interface RS-485 No With communication interface RSD	With communication interface CANOpen		No
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D. J. J. J. J. J. J. J. A050U7			
Rated control supply voltage Us at AC 50HZ V 0 - 0			
Rated control supply voltage Us at AC 60HZ V 0 - 0	Hated control supply voltage Us at AC 60HZ	V	U - U

Rated control supply voltage Us at DC	V	18 - 30
Voltage type		DC
With monitoring function downstream switching devices		No
Laser protection class		None
Wavelength of the sensor	nm	0
Type of light		Infrared light
Light dot	mm²	0
AWG-number		0
Material of cable sheath		Other
With restart blockage		No
Suitable for safety functions		No
Degree of protection (IP)		IP67

Approvals

Product Standards	CE marking
Max. Voltage Rating	30 V DC

Dimensions

