PILZ
THE SPIRIT OF SAFETY

PSEN sc L 3.0 08-12 6D000012



Light model, 30 mm/40 mm/50 mm/70 mm/150 mm detection capability, muting, override, EDM, restart application in accordance with EN ISO61496-3, vertical applications, reference markers, measurement data output (UDP), rapid exchange by exchangeable memory block; 3.0 m safety zone; max. 2 safety zones parallel active, max. 2 warning zones parallel active, max. 10 configurable zone sets.

Technical details

General data	
Approval:	CE, cULus Listed, TÜV
ESPE type:	3
:	2
Product type:	Light
Sensor principle:	optisch
Selectable resolutions:	50, 40, 30, 150, 70
Range warning zone var. res.:	40 m/Auflösung 150 mm, 22 m/Auflösung 40 mm, 19 m/Auflösung 30 mm, 23 m/Auflösung 50 mm, 40 m/Auflösung 70 mm
Range safety zone various res.:	3 m/Auflösung 40 mm, 2,50 m/Auflösung 30 mm, 3 m/Auflösung 50 mm, 3 m/Auflösung 70 mm, 3 m/Auflösung 150 mm
Number of zone configurations:	10
Technical data	
Electrical data	
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	8
Optical data	
Used wavelength range:	905 nm
Scanning area:	275°
Max. opening angle vertical:	0,12°

Angular resolution:	0,1°
Inputs	
Signal level at input at 0:	< 5 V
DC voltage at input:	24 V
Semiconductor outputs	
Number of OSSD outputs:	4
Current "0" S/C O PSENscan:	< 700 µA
Ethernet interface	
Connector type ETHERNET int.:	M12x1, 4-pin, D-code
Ethernet transmission rate:	100 MBit/s
CANopen interface	
Number of Ethernet interfaces:	1
Environmental data	
Ambient temperature:	-10 - 50 °C
Humidity rating:	Max. 95 %
Condensation permitted?:	Not permitted
Perm. operating height ASL:	2000 m
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	10g
Protection type, housing:	IP65
Times	
Reaction time:	62
Rotation time:	30
Mechanical data	
Connection type:	M12, 8pol. male, M12, 12pol. male
Housing material:	Aluminium
Housing material upper part:	PC
Material front screen:	PMMA
Height dimension:	152

Width dimension:	102
Depth dimension:	112.5
Net weight:	1530
Gross weight:	2140
Environment	
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27272791
ETIM Version:	ETIM-7.0

Obligatory accessories



540326 PSEN cable axial M12 8-pole 30m



540320 PSEN cable axial M12 8-pole 5m



6D000011 PSEN sc bracket C



540321 PSEN cable axial M12 8-pole 10m



6D000010 PSEN sc bracket F

	570356	PSEN cable M12-12sf 50m
	570354	PSEN cable M12-12sf 20m
	570355	PSEN cable M12-12sf 30m
	570352	PSEN cable M12-12sf 5m
	570353	PSEN cable M12-12sf 10m
	540319	PSEN cable axial M12 8-pole 3m
	570350	PSEN cable M12-12sf 2m
	570351	PSEN cable M12-12sf 3m
	631073	PSEN op Ethernet cable 10m

	6D000004	PSEN sc bracket H
	6D000002	PSEN sc bracket PR
	6D000003	PSEN sc bracket P
	631072	PSEN op Ethernet cable 3m
	631071	PSEN op Ethernet cable 1m

Optional accessories

	6D000008	PSEN sc cleaner
	6D000009	PSEN sc cloth
	6D000006	PSEN sc memory 08-12



6D000007 PSEN sc head