PILZ
THE SPIRIT OF SAFETY

PSEN sc ME 5.5 08-17 6D000034



MasterEncoder – model, series connection master for up to 3 subscribers, up to 4 encoder inputs, 30 mm, 40 mm, 50 mm, 70 mm, 150 mm detection capability, muting, partial muting, override, EDM, restart applications in accordance with EN ISO 61496-3, vertical applications, reference markers, measured data output (UDP), fast replacement, exchangeable memory block, Window replacement, ROS & C++ interface available, - 10°C ... +50°C, 5.5 m safety zone, expanded connection options (I/O), encoder inputs, 3 safety zones parallel, 3 warning zones parallel, 70 configurable zone sets.

Technical details

General data	
Approval:	CE, cULus Listed, TÜV
ESPE type:	3
:	3
Product type:	Master
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, 5,5 m/Auflösung 150 mm, 2,50 m/Auflösung 30 mm, 4 m/Auflösung 50 mm, 5,5 m/Auflösung 70 mm
Number of zone configurations:	70
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:	6
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, 17pol. 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)

Obligatory accessories

	540326	PSEN cable axial M12 8-pole 30m
	540320	PSEN cable axial M12 8-pole 5m
	6D000033	PSEN sc cable M12-17sf, 50m
	6D000022	PSEN sc cable CAT5e M12-8sm/M12-8sm, 1m
	6D000011	PSEN sc bracket C
	540321	PSEN cable axial M12 8-pole 10m

	6D000023	PSEN sc cable CAT5e M12-8sm/M12-8sm, 3m
	6D000031	PSEN sc cable M12-17sf, 20m
	6D000010	PSEN sc bracket F
	540319	PSEN cable axial M12 8-pole 3m
	631073	PSEN op Ethernet cable 10m
	6D000004	PSEN sc bracket H
	6D000026	PSEN sc cable CAT5e M12-8sm/M12-8sm, 20m
	6D000027	PSEN sc cable M12-17sf, 2m
	6D000002	PSEN sc bracket PR

	6D000024	PSEN sc cable CAT5e M12-8sm/M12-8sm, 5m
	6D000003	PSEN sc bracket P
	6D000025	PSEN sc cable CAT5e M12-8sm/M12-8sm, 10m
	631072	PSEN op Ethernet cable 3m
	631071	PSEN op Ethernet cable 1m
	6D000029	PSEN sc cable M12-17sf, 5m

Optional accessories

	6Z000003	PSEN enc HTL 1024 ss
	6D000005	PSEN sc memory 08-17

	6Z000004	PSEN enc HTL 1024 hs
	6D000008	PSEN sc cleaner
	6D000009	PSEN sc cloth
	6D000007	PSEN sc head