



Multiple light beam safety devices M2000 Standard A/P

M20Z-02550A120, PSR01-1501



Sender/receiver in one housing

Model Name [> M20Z-02550A120](#)
Part No. [> 1026510](#)

Mirror

Model Name [> PSR01-1501](#)
Part No. [> 1016677](#)

At a glance

- Type 2 (IEC 61496), PL d (EN ISO 13849)
- Robust, industrial housing
- 7-segment display
- Scanning range up to 6 m
- External device monitoring (EDM) and internal self-testing configurable without PC
- Economical active/passive variants minimize the wiring costs
- Standardized M12 connectivity is available

Your benefits

- Economical active/passive variants minimize the wiring costs and installation time
- Robust design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- Customer-friendly interfaces and status display simplify commissioning and maintenance
- Reduced downtime due to diagnostics displays located directly on the device
- Fast start-up times due to easy alignment using the optional laser alignment aid (separate accessories)



Applications

Access protection (vertical):	✓
Hazardous area protection (horizontal):	-

Functions-Sender/receiver in one housing

System construction:	Active/passive system
Restart interlock:	-
External device monitoring:	-
Beam coding:	-
Muting with:	Flexi Classic, Flexi Soft

Configurable scanning range:	-
Configuration method:	hard wired
Self-testing:	✓
Safe device communication via EFI/SDL:	-

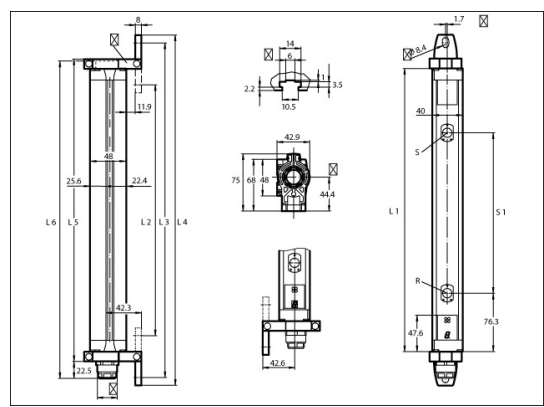
Technical Data-Sender/receiver in one housing

Number of beams:	1
Scanning range from ... to:	0 m ... 6 m
Type:	Type 2 (according to IEC 61496)
Safety integrity level:	SIL2 (IEC 61508), SILCL2 (EN 62061)
Category:	category 2 (EN ISO 13849)
Performance level:	PL d (EN ISO 13849)
PFHd:	2.2 * 1E-08
TM (mission time):	20 a
Housing cross-section:	48 mm x 40 mm
Maximum response time:	7 ms
Supply voltage typical, from, to:	24 V, 19.2 V, 28.8 V
Display elements:	7-segment
Maximum power consumption:	7.5 W
Maximum switching voltage:	Uv-2.25 V
Maximum switching current:	500 mA
Protection class:	III
Enclosure rating:	IP 65 (according to EN 60529)
System connection:	Hirschmann plug
Ambient operating temperature from ... to:	0 °C ... 55 °C
Maximum connection cable cross-section:	1 mm ²
Vibration resistance (checked to):	5 g (IEC 68-2-6)
Oscillation frequency from ... to:	10 Hz ... 55 Hz
Shock resistance:	10 g, 16 ms (according to IEC 68-2-29)
Test rate (internal test):	13 /s (EN ISO 13849)
Maximum demand rate:	8 /min (EN ISO 13849)
Resolution:	500 mm

Technical Data-Mirror

Resolution:	500 mm
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Dimensional drawing



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