



PRS301

Paper tear safety

PRS301

with 12-pin flange connector

CE



- ◆ Detection range up to 60 mm
- ◆ High-resolution light grid
- ◆ Modular design
- ◆ 3 different heights
- ◆ Detection of track width via TEACH-IN

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General specifications

Effective detection range	0 ... 60 mm
Threshold detection range	60 mm
Light source	IRED
Approvals	CE
Field height	1680 mm
Obstacle size	> 30 mm
Beam spacing	5 mm
Number of beams	336
Sensing range	0 ... 60 mm
Light type	infrared, modulated light
Angle of divergence	45 °
Ambient light limit	5000 Lux

Electrical specifications

Operating voltage	24 V DC ± 20 %
Ripple	10 %

Input

Test input	emitter test
Function input	TEACH-IN: measuring width
Function type 1	Activation input release
Function type 2	Input monitoring time

Output

Switching type	dark ON
Signal output	1 pnp break, 1 pnp fault, short-circuit proof, protected against reverse polarity
Switching voltage	max. 30 V DC
Switching current	200 mA
Switching frequency f	10/5
Response time	45 ms / 75 ms , adjustable via input monitoring time

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	0 ... 60 °C (273 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

Mechanical specifications

Protection degree	IP67
Connection	Flange connector, 12-pin
Material	
Housing	aluminium
Optical face	plastic
Mass	4000 g

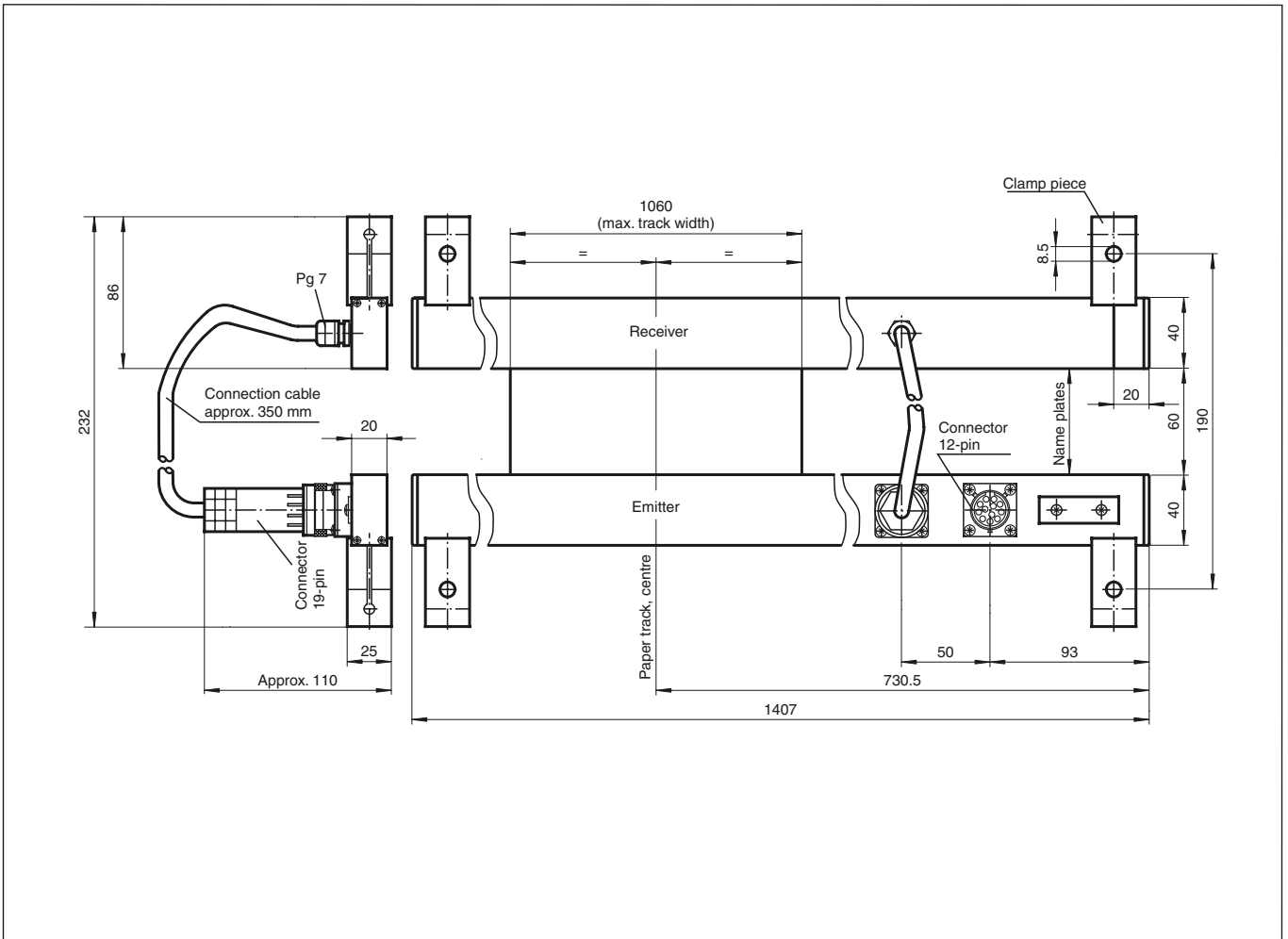
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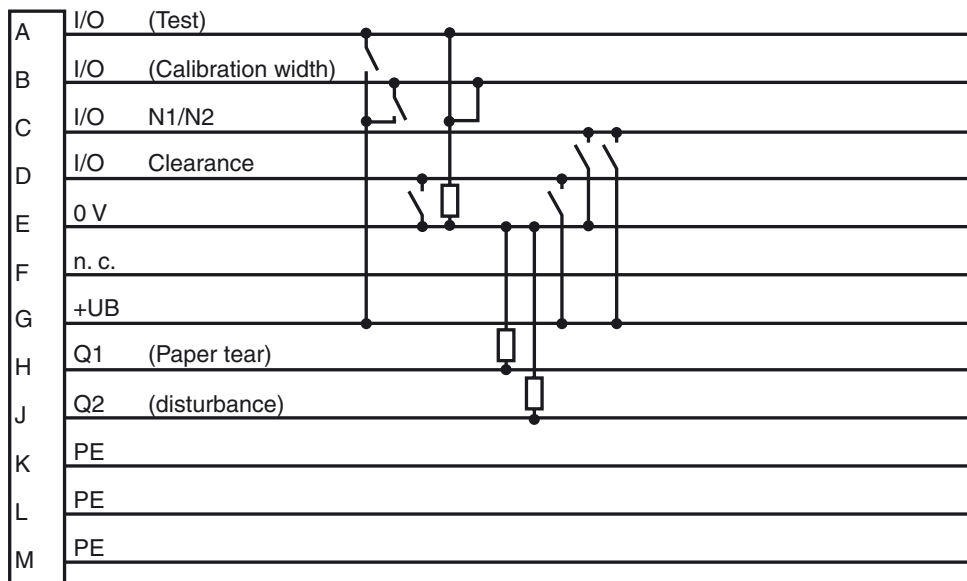
Curves/diagrams

Dimensions



Electrical connection

Option:



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