

► Selection guide – PSEnvip and PSEnvip 2

Camera-based protection system PSEnvip

Common features

- Detection zone:
 - Length: 0.1 ... 10 m
 - Height: max. 20 mm
 - Width: 42 mm
- Reaction time: 4 ms
- Compliant and approved in accordance with EN 12622
- For use in applications up to
 - Type 4 in accordance with EN/IEC 61496-1/-2
 - PL e of EN ISO 13849-1
 - SIL CL 3 of EN/IEC 61508

Features of bending angle measurement

- Distance between workpiece (plate) and receiver: max. 1.5 m
- Sheet thickness: 2 ... 4 mm
- Bending angle: 50 ... 160°
- Temperature range (environment): +10 ... +40 °C



PSEnvip RL D Set

Type	Design	Transmitter	Receiver	Display	Certification	Order number
PSEnvip RL D Set	Base version set	◆	◆	◆	EAC, TÜV, UL ¹⁾	583 000 ²⁾
PSEnvip RL D	Base version		◆	◆	EAC, TÜV, UL	583 600
PSEnvip RL D M Set	Version with bending angle measurement set	◆	◆	◆	EAC, TÜV, UL ¹⁾	583 002 ²⁾
PSEnvip RL D M	Version with bending angle measurement		◆	◆	EAC, TÜV, UL	583 610
PSEnvip RL D P Set	Productive version set	◆	◆	◆	EAC, TÜV, UL ¹⁾	583 007 ^{2), 3)}
PSEnvip RL D P	Productive version		◆	◆	EAC, TÜV, UL	583 601 ³⁾
PSEnvip T	Transmitter	◆			EAC, TÜV, UL	583 900

¹⁾ UL certification applies only to individual components contained within the set

²⁾ PSEnvip (sets) include: transmitter, receiver, adjustment plates, adjustment templates with magnet and a test piece.

³⁾ Can be used in combination with the control system PSSuniversal PLC, PSSu K F FCU Fast Control Unit and 2 counter modules PSSu E F ABS SSI



Camera-based protection system PSEnvip 2

Common features

- Detection zone:
 - Length: 0.1 ... 18 m
 - Height: max. 20 mm
 - Width: 44 mm
- Reaction time: 4.65 ms (Sensor + FAU)
- Compliant and approved in accordance with EN 12622
- For use in applications up to
 - Type 4 in accordance with EN/IEC 61496-1/-2
 - PL e of EN ISO 13849-1
 - SIL CL 3 of EN/IEC 61508



PSEnvip R



PSEnvip E

Type	Features	Range	Certification	Order number
PSEnvip R	PSEnvip 2 receiver	13 m	EAC, TÜV, UL	584 100 ⁴⁾
PSEnvip R LR	PSEnvip 2 receiver	18 m	EAC, TÜV, UL	584 101
PSEnvip E	PSEnvip 2 transmitter	-	EAC, TÜV, UL	584 200 ⁴⁾

⁴⁾ Can be used in combination with the control system PSSuniversal PLC and the Fast Analysis Unit

Analysis unit for camera-based protection system PSEnvip 2

Common features

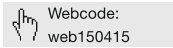
- Compact module with failsafe
- 4 digital inputs
- Outputs:
 - 2 digital outputs, 1-pole, 2 A
 - 2 digital outputs, 2-pole, 2 A



PSSu K F FAU P

Type	Features	Certification	Order number
PSSu K F FAU B	Fast Analysis Unit, base version	EAC, TÜV, UL	312 420
PSSu K F FAU P	Fast Analysis Unit, productive version	TÜV, UL	312 421

Keep up-to-date on the camera-based protection systems PSEnvip and PSEnvip 2:



Online information at www.pilz.com