

Light Curtain

for conveying technology, expansion set

PEHT002

Part Number



- For expanding an existing PEHT system
- In the event of service, only the affected light curtain is replaced, not the entire system
- Seamless integration into the existing system chain without an additional connection module

The PEHT002 expansion set makes it easy to extend an existing PEHT system. It includes one additional light curtain and one connection module for integration into the existing system chain – the sensor connection module is already included in the PEHT001 starter set and is therefore not included here. The modular system can thus grow flexibly with the requirements of the conveyor line: Up to 15 light curtains can be interconnected in total, covering detection widths from 270 to 4,000 mm with up to 135 switching points.

For additional protection against dust and splashing water, an optional ZPTG005 protective cover is available, increasing the degree of protection from IP50 to IP54.

Technical Data

Optical Data	
Range	230 mm
Switching Hysteresis	15 %
Light Source	Infrared, LED
Opening Angle	± 6 °
Beam Distance	30 mm
Electrical Data	
Supply Voltage	18...30 V DC
Supply Voltage with IO-Link	18...30 V DC
Current Consumption (U _b = 24 V)	< 50 mA
Switching Frequency	555 Hz
Response Time	900 µs
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Mechanical Data	
Degree of Protection	IP50 *
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	59,96 a
Scope of delivery	1 × PEHT002 light curtain 1 × ZPTG002 module cap

Suitable Connection Equipment No.

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* With protective cover ZPTG005, protection rating IP54 is achieved.

