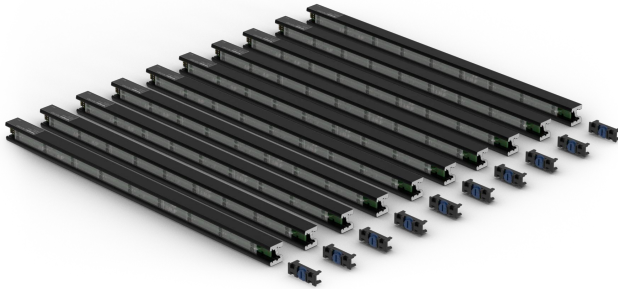


Light Curtain

for conveying technology, expansion set

PEHT003

Part Number



- **Economical solution for series applications and detection widths of several meters**
- **For expanding long conveyor lines**
- **In the event of service, only the affected light curtain is replaced, not the entire system**

The PEHT003 XL expansion set is suitable for extending long conveyor lines over several meters. It contains 10 light curtains and 10 connection modules for integration into an existing PEHT system – the sensor connection module is already included in the PEHT001 starter set and is therefore not included here. Thanks to the modular design, the detection width can be scaled to meet requirements: 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 use in more demanding environments, an optional ZPTG005 protective cover is available, which increases the degree of protection from IP50 to IP54 and additionally protects the light curtains from dust and splashing water.

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	10 × PEHT002 light curtains 10 × ZPTG002 module caps
Suitable Connection Equipment No.	2 35

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

