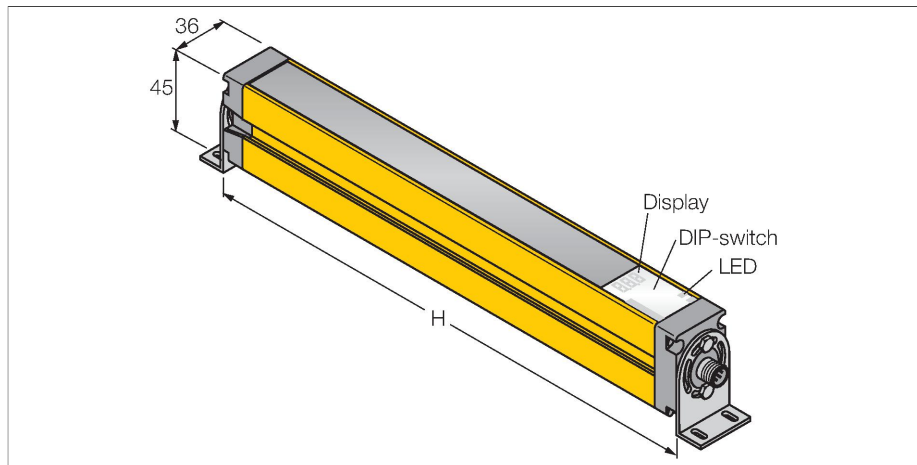


EO18M-Q45L750-5X2-H1181

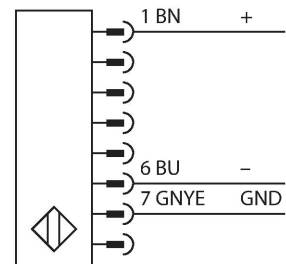
Safety light screen – Emitter



Features

- Male, M12 x 1, 8-pin
- Protection class IP65
- Adjustments via DIP switch
- Operating voltage 24 VDC $\pm 15\%$
- Resolution 30 mm
- Scan field 750 mm
- Personnel safety Cat 4, PL e acc. to EN ISO 13849-1:2008
- Type 4 acc. to IEC 61496-1,-2
- SIL 3 to IEC 61508

Wiring diagram



Technical data

Type	EO18M-Q45L750-5X2-H1181
ID	7700283
Function	Light screen
Light type	IR
Wavelength	950 nm
Optical resolution	30 mm
Range	100...18000 mm
Scan field	750 mm
Operating voltage	20...28 VDC
Residual ripple	$< 10\% U_{ss}$
Short-circuit protection	yes
Reverse polarity protection	yes
Response time typical	$< 17\text{ ms}$
Design	Rectangular, EZ-Screen
Dimensions	45 x 36 x 821 mm
Housing material	Metal, AL, Yellow
Lens	plastic, Acryl
Cascadable	No
Electrical connection	Connector, M12 x 1
Ambient temperature	0...+50 °C
Protection class	IP65
Power-on indication	LED, Green

Functional principle

The high-resolution safety light screen is emitter and receiver in one. As the system is optically synchronized, emitter/receiver wiring is superfluous. The receiver's safety switching outputs are directly connected to a load relay and trigger an immediate stop of the dangerous machine cycle. Personnel safety category Typ 4 nach IEC 61496 is fulfilled through 2-channel monitoring of the switching device and the principle of diverse redundancy by which two processors control each other mutually.

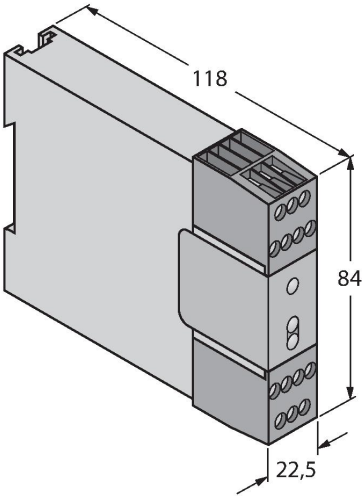
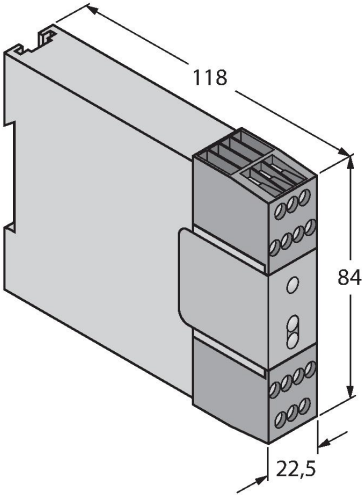
Accessories

Q45-MBK-11	7700390	Mounting bracket, black, steel, for safety light screen Q45L	Q45-MBK-12	7700391	Mounting bracket, black, steel, for safety light screen Q45L
Q45-MBK-20	7700392	Mounting bracket, black, steel, for safety light screen Q45L			

Accessories

Dimension drawing	Type	ID	
	WKC8T-2/TEL	6625133	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
	RKC8T-2/TEL	6625130	Connection cable, M12 female, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com

Accessories

Dimension drawing	Type	ID	
	IM73-23-R/24VDC	7700346	Interface module, 2 inputs, 3 NO outputs, 24 VDC, provides max. 6 A, 20 ms response time
	IM73-221-R/24VDC	7700345	Interface module, 2 inputs, 2 NO outputs, 1 NC auxiliary output, 24 VDC, provides max. 6 A, 20 ms response time