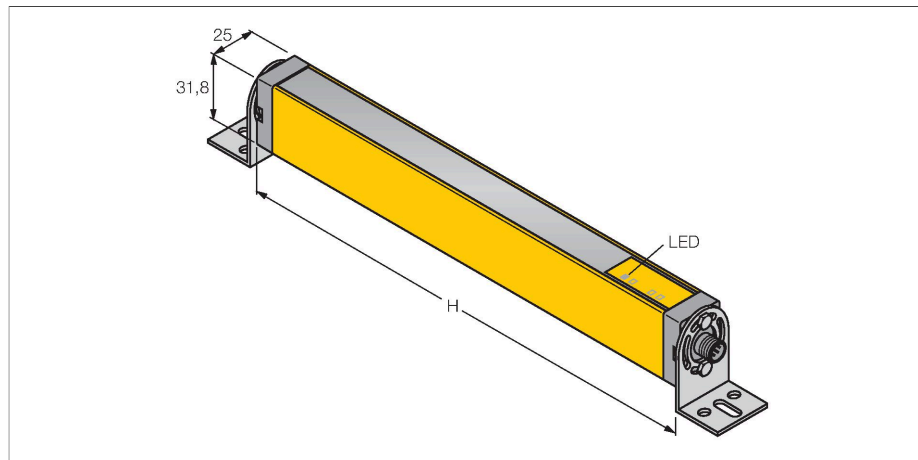


# RO15M-Q32L600-2RLP5X2-H1181

## Safety light screen – Receiver



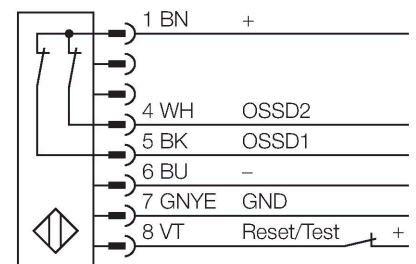
### Features

- M12 x 1 male, 8-pin
- Protection class IP65
- Scan field 600 mm
- Resolution 30 mm
- Internal testing in 500 ms cycle
- Range 15 m
- Operating voltage 24 VDC  $\pm 15\%$
- Switching output with LATCH
- Muting is not supported
- Type 2 acc. to IEC 61496-1,-2; category 2 PLc acc. to EN ISO 13849-1:2008; SIL 1 acc. to IEC 61508

### Technical data

Type	RO15M-Q32L600-2RLP5X2-H1181
ID	7700330
Function	Light screen
Optical resolution	30 mm
Range	200...15000 mm
Scan field	600 mm
Operating voltage	20...28 VDC
Residual ripple	$< 15\% U_{ss}$
No-load current	$\leq 90$ mA
Output function	2 x NC (normally closed), 2 x PNP
Current output	500 mA
Response time typical	$< 16$ ms
Design	Rectangular, EZ-Screen
Dimensions	31.8 x 25.2 x 665 mm
Housing material	Metal, AL, Yellow
Lens	plastic, Acryl
Electrical connection	Connector, M12 x 1
Ambient temperature	0...+55 °C
Protection class	IP65
Power-on indication	LED, Green
Switching state	LED, Red

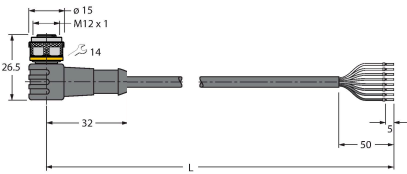

### Wiring diagram



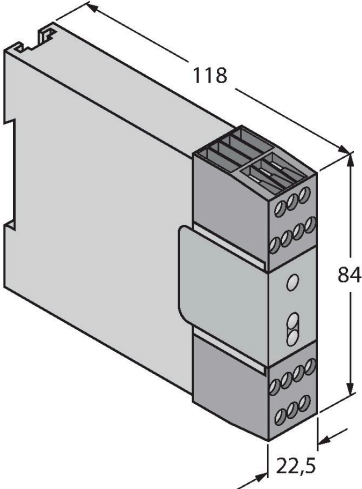
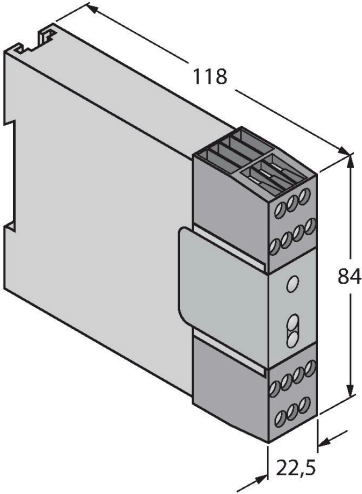
### Functional principle

The 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. Due to the 2-channel design of the switching device, personal safety degree type 2 acc. to IEC 61496 and category 2 acc. to EN 9541 are fulfilled.

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 <a href="http://www.turck.com">www.turck.com</a>
	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 <a href="http://www.turck.com">www.turck.com</a>

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