

... the multifunctional solution!



### Features

- Particularly suitable for door and gate automation
- Perfect for OEM-applications
- Simple and fast installation thanks to a universal mounting kit
- Plug-and-play system
- Controller integrated
- Short-circuit protected semiconductor output (Push-pull)
- LED-display integrated
- High EMC immunity
- Remote monitoring output (Telemonitoring - status output)
- Test-input
- Crossbeam

### Technical data

Type	Max. profile length / protect. field height (mm)	Number of elements / beams	Deepest element (mm)	Mounting holes (mm)	Operating-range	Grid (mm)	Blanking
LGTR 900-4	900 / 726	4 / 10	30	7 / 700	1.8 ... 6 m	232	-
LGTR 900-8	900 / 722	8 / 22	22	7 / 700	0.8 ... 6 m	100	1
LGTR 1300-12	1.300 / 1.122	12 / 34	22	7 / 470 / 970	0.8 ... 6 m	100	1
LGTR 950-16	950 / 772	16 / 46	22	7 / 750	0.8 ... 6 m	50	1
LGTR 1925-24	1.925 / 1.747	24 / 70	22	7 / 880 / 1.717	0.8 ... 6 m	75	1
LGTR 990-32	990 / 797	32 / 94	22	7 / 812	0.8 ... 6 m	25	1
LGTR 1750-32	1.750 / 1.572	32 / 94	22	7 / 847 / 1.547	0.8 ... 6 m	50	1
LGTR 2000-12	2.000 / 1.800	12 / 34	20	7 / 847 / 1.717	0.8 ... 6 m	162	1

#### Electric

Supply voltage $U_{sp}$	14 ... 30 VDC
Current consumption	Typ. 60 mA @ 24 VDC
Max. inrush current	< 2 A per rail
Ripple	10 % von $U_{sp}$
Output	Max. 120 mA, 100 nF (Push-pull)
Optional output	TMS output(NPN)
Response time	25 ... 100 ms (depending on the number of elements)

#### Electrical connections Tx

Cable:		Rx cable:	
Brown	+ $U_{sp}$	Brown	+ $U_{sp}$
Blue	GND	Blue	GND
Black	No function	Black	Output
White	Test input	White	TMS output

#### Mechanic

Dimensions (mm)	12 x 16 x max. 2.500
Housing	Aluminium or black anodized (Standard), other colours on request
Cable length	5 m
Connection	White / blue
Protection class	IP65 or IP67
Temperature range	-40 ... +65°C

#### Cable

Tx cable:		Rx cable:	
Ø 3.5 mm	Ø 3.5 mm	Black PVC	Black PVC
5 m	5 m	White connector	Blue connector

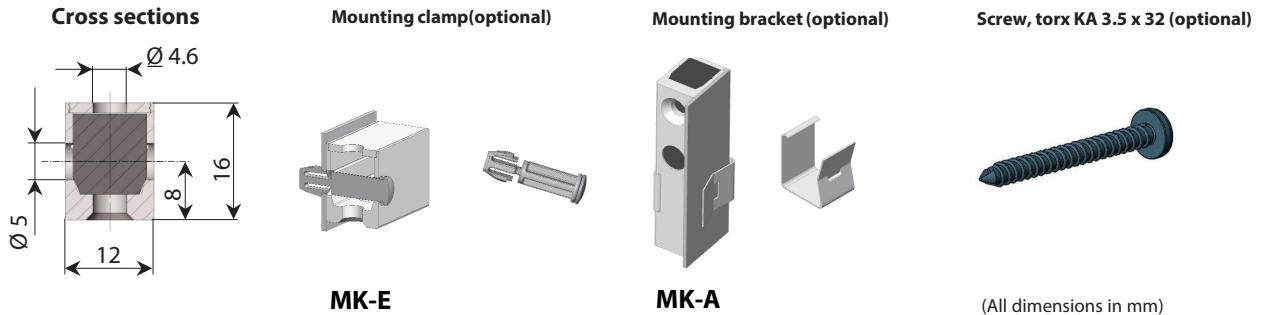
#### Optical

Wavelength IR	925 nm
Extraneous light	Max. 75.000 Lux

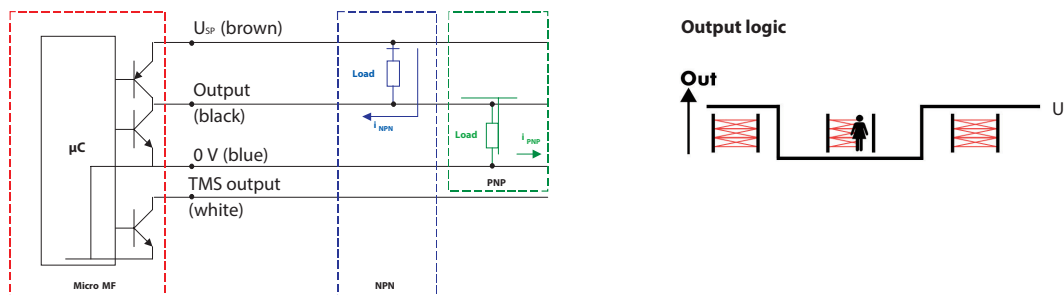
#### General

Cable resistance	IEC 60227-2
Shock	IEC 60068-2-6, EN 50155, EN 50121 IEC
Vibration	60068-2-29, EN 50155, EN 50121 EN
EMC emission	61000-6-3, EN 50155, EN 50121 EN
EMC compatibility	61000-6-2, EN 50155, EN 50121 CE
Certificate	CE

**Dimensions**



**Block switch diagramm**



**Order informations**

Types	Description
LGTR 900-4 PSK-ST	Light curtain system, 900 mm Länge, mit 4 optischen Eleme
LGTR 900-8 PSK-ST3	Light curtain system, 900 mm Länge, mit 8 optischen Elemente
LGTR 1300-12 PSK-ST3	Light curtain systemelementen
LGTR 950-16 PSK-ST3	Light curtain system, 950 mm Länge, mit 16 optischen Elementen
LGTR 1925-24 PSK-S	Light curtain system, 1'925 mm Länge, mit 24 optischen Element
LGTR 990-32 PSK-ST	Light curtain system, 990 mm Länge, mit 32 optischen Elemente
LGTR 1750-32 PSK-ST3	Light curtain system, 1'750 mm Länge, mit 32 optischen Elementen
LGTR 2000-12 PSK-ST3	Light curtain system, 2'000 mm Länge, mit 12 optischen Elementen

All versions also with protection class IP 67 available, others on request

**Safety note:**

Only properly qualified personnel is authorized to install these devices and connect them to the power supply. Applications, where personal safety depends on the function of the devices are not authorized by the manufacturer!