



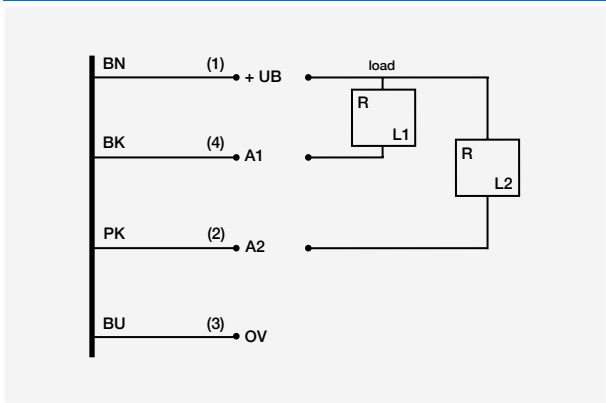
	FX4/0*-0*	FX3/0*-0*
nominal sensing distance	see optical fibres table	
setting range	20...200 mm	
teach increment	≤ 1 mm	-
hysteresis	10 % typ.	
standard target	100 x 100 mm white	
emitter (regulated light power)	red (660 nm)	
output (switchable)	NO / NC	
excess light output	-	light ON
output state indication	LEDs; bar graph	LED yellow
excess light indicator	LED green	
supply voltage range	10 ... 30 Vdc	
max. ripple content	≤ 20% V al / UB	
output current	≤ 200 mA	
output voltage drop	≤ 2.0 V a / at 200 mA	
no-load supply current	μ25 mA typ. a / at UB = 24 V	≤ 15 mA typ. a / at UB = 24 V
leakage current	≤ 0.1 mA	
switching frequency	≤ 1,500 Hz	
switching time	≤ 330 μsec	
modulation frequency	15 kHz	
power on delay	80 ms	300 ms
max. ambient light, halogen	5,000 Lux	
max. ambient light, sun	10,000 Lux	
sensitivity setting	Teach-In	Potentiometer
pulse delay/stretching	10 ... 150 msec	-
ambient temperature range	-25 ... +55 °C	
temperature drift of sn	0.2 % / °C	
voltage reversal protection	built-in	
induction protection	built-in	
short-circuit protection	built-in	
shocks and vibration	IEC 60947-5-2 / 7.4	
cable length	300 m max.	
weight	17 g connector / 68 g cable	18 g connector/ 69 g cable
protection degree	IP64 (EN60529) ⁽¹⁾	
EMC	in conformity with the EMC Directive according to EN 60947-5-2	
optical fibre connection	Ø 2,2 mm	
housing material	PBTP	
connection cable (FX*/0*-0A)	PVC 4 x 0,25 mm ² / 128 x 0,05 mm Ø	
connector type (FX*/0*-0F)	M8 4 wires	

⁽¹⁾ Protection guaranteed only with plug cable well mounted

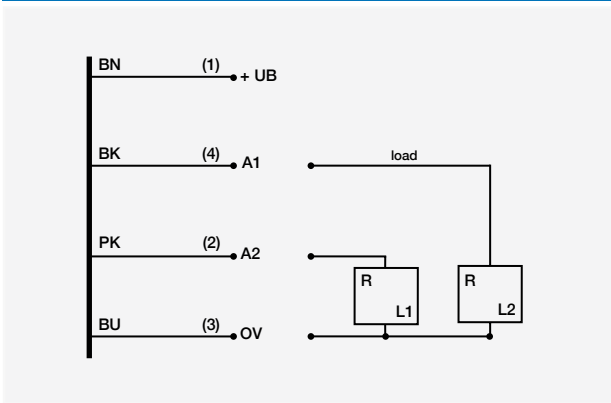
electrical diagrams of the connections



FX3/0*-0* NPN output

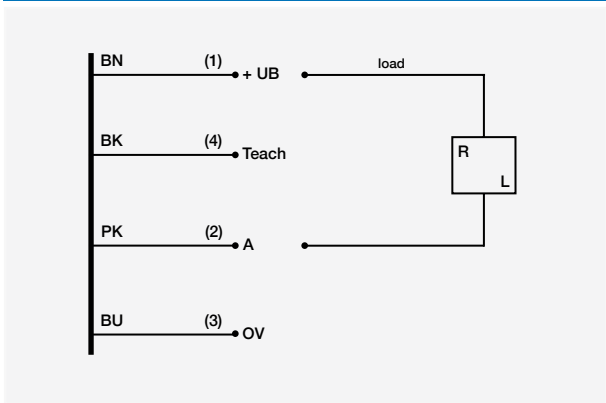


FX3/0*-0* PNP output

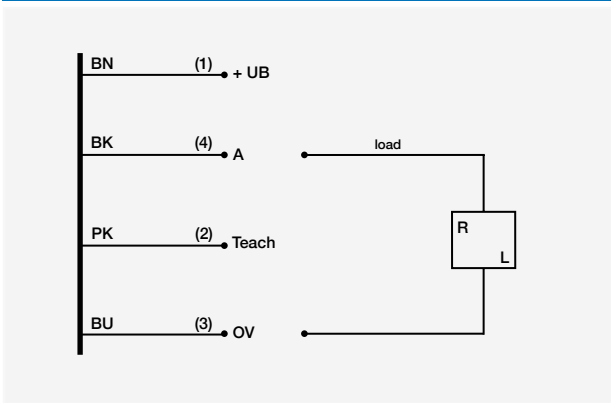


A1 Output (Light-ON/Dark-ON switchable)
A2 Excess light output Light-ON

FX4/0*-0* NPN output



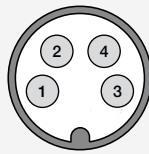
FX4/0*-0* PNP output



- BN** brown
- BU** blue
- BK** black
- WH** white
- PK** pink
- GY** gray

plug

M8

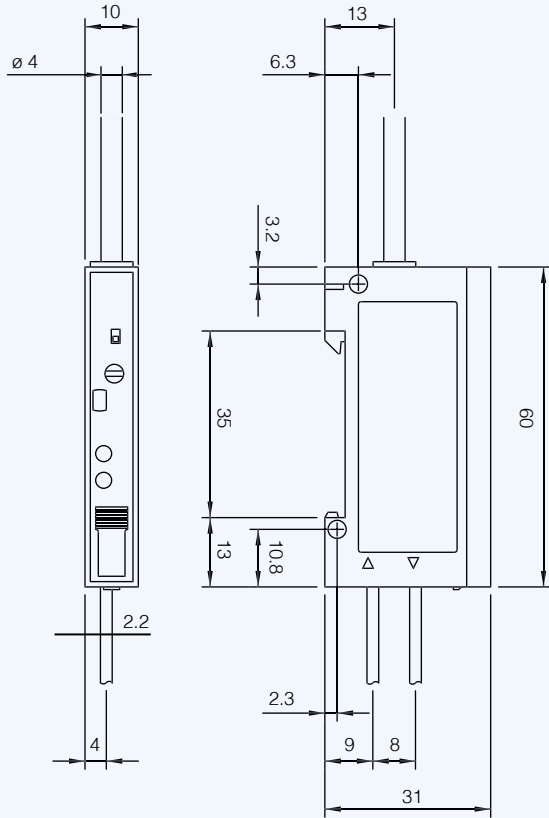




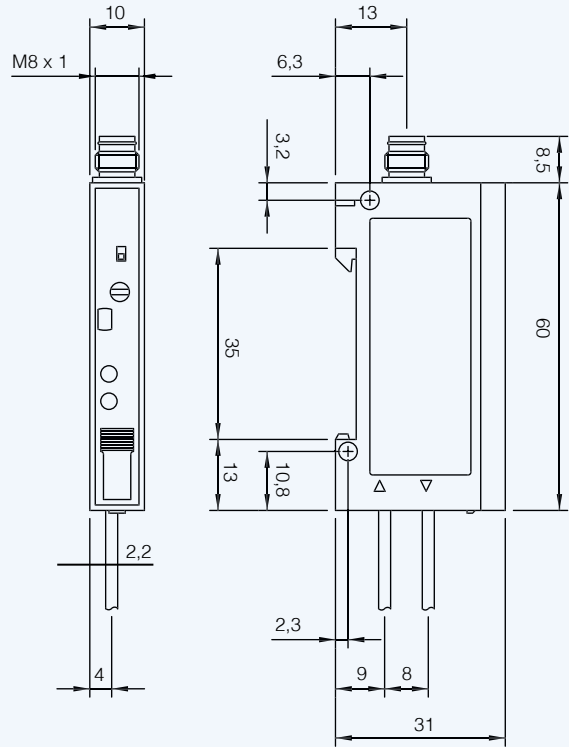
dimensions (mm)

Photoelectric sensors
for DIN-rail mounting

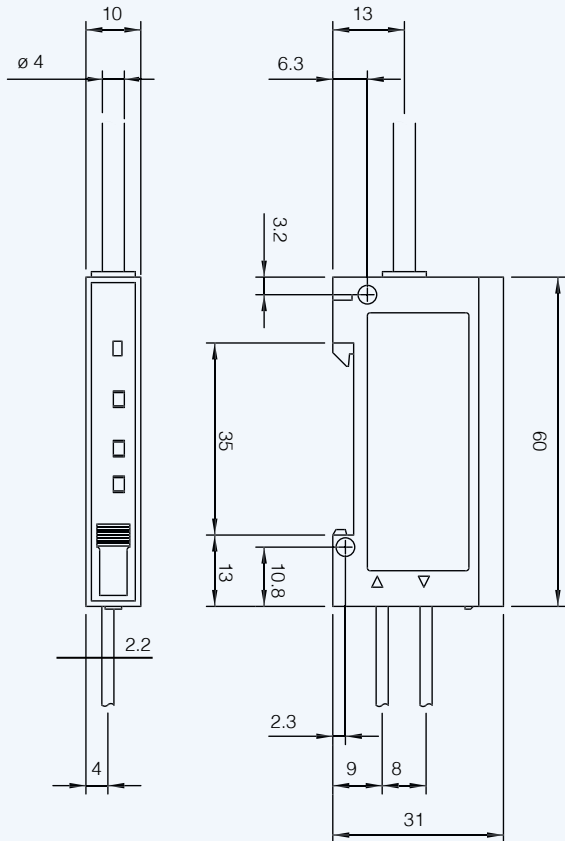
FX3/0*-0A



FX3/0*-0F



FX4/0*-0A



FX4/0*-0F

