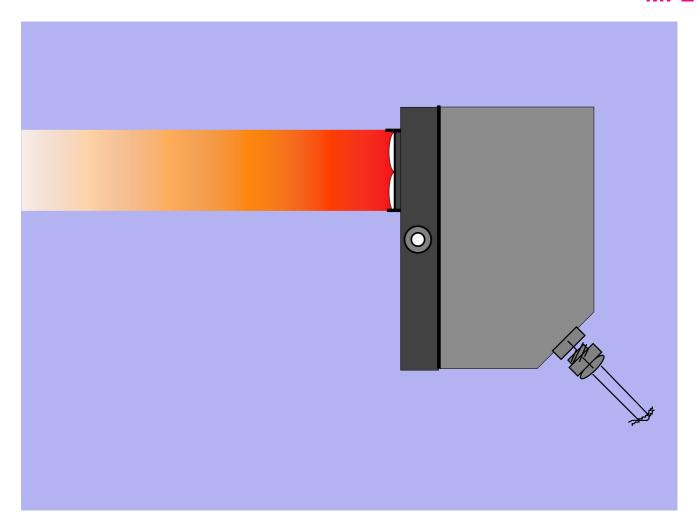
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multi-features light barrier

MFL



operation with reflecting and non-reflecting (diffuse) objects

0m - 15m range

digitally adjustable releasing / closing dilatation of relay

automatic adjustment

immune to interferences

DIN EN ISO 9001 Reg.Nr. 96007

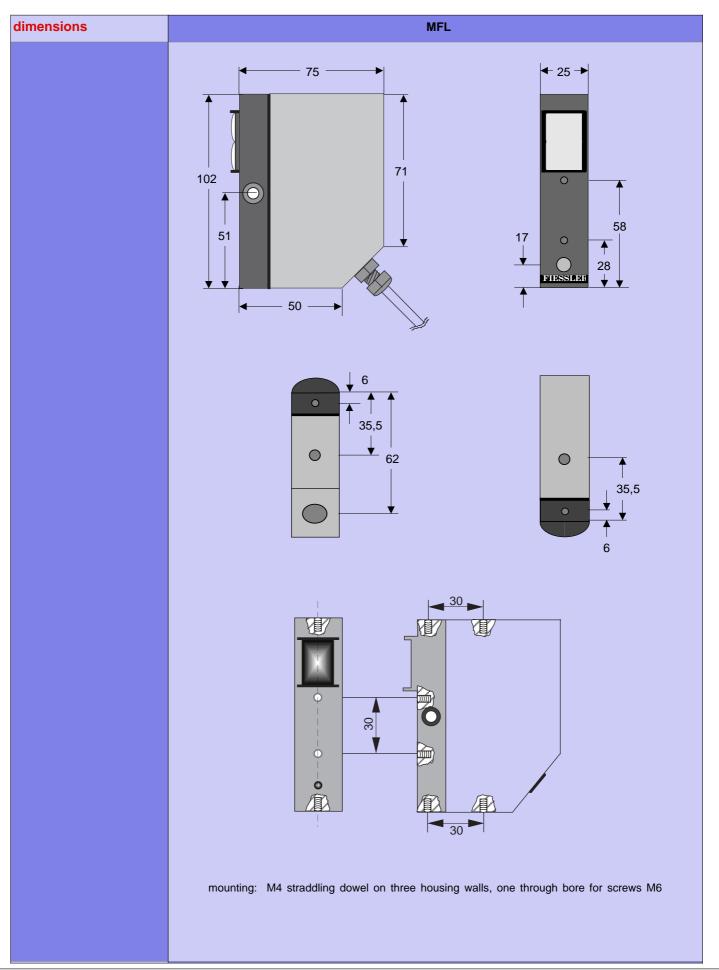


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application	MFL
	General purpose-reflex light barrier with extended detection range. For general applications like detecting, counting etc.
description of function	
	The function of the reflex light barrier MFL is controlled by micro controller. This micro controller regulates all tasks like controlling of the infrared diode, evaluation of the receiver signal, interference blanking in case of faulty signals, and automatic adjustment to various detection ranges as well as controlling of digitally adjustable releasing / closing dilatation of relay.
adjustment	
2b o a alignment	The MFL features automatical adjustment to the desired detection range. For entering the adjustment mode, both buttons T1 and T2 must be pressed down for more than 20 sec (1). After 20 sec., all LEDs will darken. Now button T1 for operation with reflecting objects (2a) or button T2 für operation with non-reflecting (diffuse) objects have to be pressed (2b). Consequently, the yellow LED D2 lights up and the status LED D1 lights up red. Now the light barrier may be adjusted until the respective object (reflector) makes the LED turn green. (3) If the button T1 is pressed once more, the MFL will calculate an average value out of 10 measurings (4). This value will be the reference value for all following measurements. Now the MFL is adjusted. This procedure may be repeated at random. The MFL features an adjustable releasing / closing dilatation of relay. Deceleration range is 1 - 255 sec. in gradation steps of 1 sec or more. Each feature may be defined separately. In order to program the closing dilatation of relay, it is necessary to keep the button T1 pushed during operation. LED D2 lights up once per second. With every flashing, the time dilatation will increase by 1 second. After releasing of the button the resepective value is registered. Diverse registered values may be added by another push of this button. For programming the creleasing dilatation of relay, it is necessary to execute the same procedure with the T2-button. Reset of both dilatation periods will be executed when pushing simultaneously both buttons T1 and T2. When doing so, the LED D2 will flash once.
technical data	
	operation voltage: 24 V / 110mA ambient operation temperature: -10°C up to +
	detection range: 15 m (reflector 100 x 100 mm) weight: 250g
	2 m (white paper) protection class: IP 65 output: 3 potential free outputs (1x UM)
	output: 3 potential free outputs (1x UM) connection type: 2m fixed cable
type plates	
	FIESSLER ELEKTRONIK D1: grûn = LS frei rot = LS unterbrochen orange - An-Abfallsverz, aktiv D2: leuchtet = LS in Justagebetrieb eroschen = LS justert blinkt = An-Abfallsverz, wird justert T1: einstellen der Anzugsverzögerung T2: einstellen der Abfallsverzögerung Seriennummer: braun: +24V DC weiß: - Minus FIESSLER ELEKTRONIK D1: grûn = LS frei rot = LS unterbrochen orange - An-Abfallsverz, aktiv D2: leuchtet = LS in Justagebetrieb eroschen = LS justert folkt = An-Abfallsverz, wird justert geschen = LS grei rot = LS unterbrochen orange - An-Abfallsverz, wird justert T1: einstellen der Anzugsverzögerung T2: einstellen der Abfallsverzögerung Seriennummer:



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