

LED Indicating Lamp Series 8010



02725E00

- > Indicating lamp with white LED
 - High luminance
 - Low heat build-up
 - Extremely long service life
 - Maintenance-free
- > For use up to -60 °C
- > Ex e and Ex i versions
- > Coloured lenses in red, yellow, green, blue, clear



The indicating lamps of Series 8010 display the current state of a command by either switching on or switching off a light signal. In combination with a switching device, they indicate the switching state. The indicating lamp contains a white LED. The light signal is displayed via a transparent indicating lamp actuator equipped with a diffuser lens. This makes it easy to detect a light signal even in poor light conditions. The signal colours red, yellow, green, blue and white are achieved by coloured lenses via colour filtering. The indicating lamps can be used in ambient temperatures of up to -60 °C.


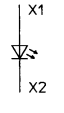

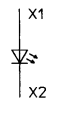

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Ex e version: For use in		x	x			
Ex i version: For use in		x	x			

WebCode 8010A

LED Indicating Lamp

Series 8010

Selection Table

Version	Description	Schematic	Colour	Order number	Weight kg
 LED indicating lamp 8010/2 Ex e 01393E00	Voltage: 12 ... 240 V AC / DC Voltage tolerance: - 10 ... + 10%	 08001E00	white	8010/2-01	0.035
 LED indicating lamp 8010/3 Ex i 11403E00	Voltage: 10.8 ... 30 V AC / DC Safety maximum values (Ex i): $U_i \leq 30 \text{ V}$ $I_i \leq 150 \text{ mA}$ $P_i = 1 \text{ W}$	 08001E00	white	8010/3-02	0.035
 Lenses 8602A 01394E00	--		red	8602A0054-1-rt	0.024
	--		yellow	8602A0054-1-ge	0.024
	--		green	8602A0054-1-gn	0.024
	--		blue	8602A0054-1-bl	0.024
	--		white	8602A0054-1-ws	0.024

Explosion Protection

Global (IECEx)

Gas and mining	IECEx PTB 06.0016U
Gas	Ex d e IIC Gb Ex d ia/ib IIC Gb
Mining	Ex d e I Mb Ex d ia/ib I Mb

Europe (ATEX)

Gas and mining	PTB 01 ATEX 1160 U
Gas	⊕ II 2 G Ex d e IIC Gb ⊕ II 2 G Ex d ia/ib IIC Gb
Mining	⊕ I M2 Ex d e I Mb ⊕ I M2 Ex d ia/ib I Mb

Technical Data

Electrical data

Rated operational voltage	Ex e: 12 ... 240 V, AC / DC (± 10%) Ex i: 10.8 ... 30 V DC
Safety-specific maximum values (Ex i)	U_i (30 V, I_i (150 mA, P_i (1 W, inductance L_i and capacity C_i negligible
Frequency range	0 ... 60 Hz
Rated operational current	max. 15 mA
Rated operational power	max. 1 W
Electrical life	10^5 lighting hours

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Technical Data

Luminous characteristics	
Lamps	white LED
Colour	red, yellow, green, blue, white, via coloured lenses (not included in delivery)
Ambient conditions	
Ambient temperature	8010/2
	-60 ... +65 °C at U = 24 ... 120 V
	-60 ... +60 °C at U > 120 V
	8010/3
-60 ... +65 °C at U < 24 V	
-60 ... +60 °C at U = 24 ... 30 V	
further on request	
Mechanical data	
Enclosure material	Polyamide
Terminals	0.75 mm ² ... 2.5 mm ² solid, stranded with core end sleeve
Lens	
Version	∅ 38 mm, colour: red, yellow, green, blue and clear
Mechanical data	
Degree of protection	IP66
Material	Polyamide

E4

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations

04494E00 04043E00 04408E00

8010/2 and 8010/3 LED indicating lamp Cut-out details Lenses for 8602A

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.