LED Illuminated Pushbutton for Panel Mounting
Series 8018

PanSiG

STAHL

04786E00

> For panel mounting
> With integrated LED
   – High luminance
   – Low heat built-up
   – Prolonged service life
> Spring-return version
> 2 contact elements
   – NC / NO
   – NC / NC
   – NO / NO
> Colour filters red, yellow, green, blue and white are included in the delivery
> With connecting cable

E4

The LED illuminated pushbuttons Series 8018 are explosion protected electric devices suitable for the installation in enclosure walls and covers of electric devices, switch panels and control desks. They are used to switch load, control and signal circuits and signal command modes by lighting up or going out.
The devices consist of a main part with two flameproof encapsulated contacts, an LED indicating lamp unit and a front element for operation. The LED illuminated pushbutton in combination with the actuator attachment Series 8602 is designed for D 30 single hole installation according to EN 50007.

	ATEX / IECEx							Class I (NEC 505)			(NEC 506)				Class I		Class II		Class III	
Zone	0	1	2	20	21	22	Zone	0	1	2	20	21	22	Division	1	2	1	2	1	2
For use		x	x		x	x	For use in			x				For use in		x				

Control Devices E4/1

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Selection Table

Version	Description	Order number	Weight kg
	with flexible lead 6 m		
	Contacts 1 NC + 1 NO	8018 / 3113 - al - 6	0.740
	Contacts 2 NC	8018 / 3123 - al - 6	0.740
LED illuminated pushbutton Series 8018 *01714E00*	Contacts 2 NO	8018 / 3133 - al - 6	0.740
Note	The colour filters red, yellow, green, blue, white are enclosed in the delivery. Gold contacts on request		

Explosion Protection

Marking

IECEx

Gas explosion protection	Ex e	8018/31. Ex dm IIC T6
	Ex i	8018/32. Ex dm ia IIC T6
Dust explosion protection	Ex tD A21 IP65 T80°C	

Europe (ATEX)

Gas explosion protection	⟨Ex⟩ II 2 G Ex d mb IIC T6
Dust explosion protection	⟨Ex⟩ II 2 D Ex tD A21 IP65 T80°C

Certificates

IECEx	IECEx PTB 07.0011X
Europe (ATEX)	PTB 02 ATEX 2129 X
Other certificates	India (PESO), Canada (CSA), Kazakhstan (JSC), Russia (CTB), USA (UL), Belarus (Gospromnadzor)

Technical Data

Electrical data

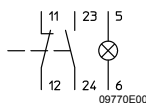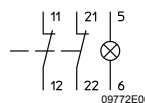|	
Rated operational voltage	
Contact	max. 270 V
Indicating lamp unit	12 (- 10 %) ... 254 (+ 6 %) V, AC / DC
Rated operational current	
Contact	max. 6 A
Indicating lamp unit	0.014 A at 24 V DC
Frequency	0 ... 60 Hz
Rated operational power	0.6 W
Circuit diagram	
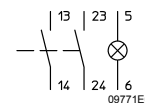
| 8018/3113 | 8018/3123 | 8018/3133 |

Switching capacity

Service category

AC-15	AC-12	DC-13
270 V	270 V	110 V
max. 6 A	max. 6 A	max. 1 A
max. 1250 VA	max. 3000 VA	max. 110 W

Rated operating characteristics referring to service category

Min. voltage*	12 V AC / DC
Min. current*	50 mA
	* reference values dependent on conditions of use

Min. voltage*	12 V AC / DC
Min. current*	50 mA
	* Reference values dependent on conditions of use

Ambient conditions

Ambient temperature	- 30 ... + 60 °C

Mechanical data

Degree of protection	IP65 (front-side IP66) acc. to IEC/EN 60529

E4

Technical Data

Material	
Enclosure	Polyamide
Colour filter	Polyamide
Contact material	
Standard	Silver-nickel
Special	Silver-nickel, gold-plated
Service life	
Contact	10^6 operations
Indicating lamp unit	10^5 operating hours
Indicating lamp	
Lamps	LED white
Colours	red, yellow, green, blue, white via colour filter (included in the delivery)
Mounting / Installation	
Connection	Cable H05 6 x 0.75 mm^2, 6 poles
Cable length	3 , 6 , 15 m (others lengths on request)

Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Actuator insert	05044E00	for illuminated pushbuttons (spring-return)	**155163**	0.019
Colour filter	05356E00	for illuminated pushbuttons		
		white	**155877**	0.001
		red	**155882**	0.001
		yellow	**155885**	0.001
		green	**155888**	0.001
		blue	**155891**	0.001
Closing part	05647E00	for closing off unused holes in cover ⌀ 30.5 mm	**155329**	0.016

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

03315E00

04488E00
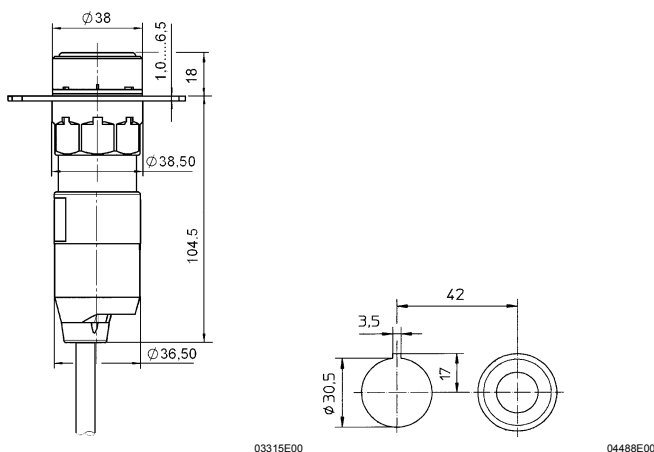
LED illuminated pushbutton Series 8018

Drilling pattern: for aligning several devices diameter 38 mm, in a panel

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.