

TL-EX-FH-0102 (M)-Series Explosion-proof Button / Switch (Board Back Type)

1 Application and Features

- Explosion protection ATEX
- Application in hazardous area Zone 1 and Zone 2 Zone 21 and Zone 22
- Five colors: red, green, yellow, blue and white.
- There are two types of installation method: rail mounted type and board back type.
- Rail mounted type: contact is installed on rail.
- Board back type: contact is installed behind the cover, quick disassembly structure, easy installation and maintenance.



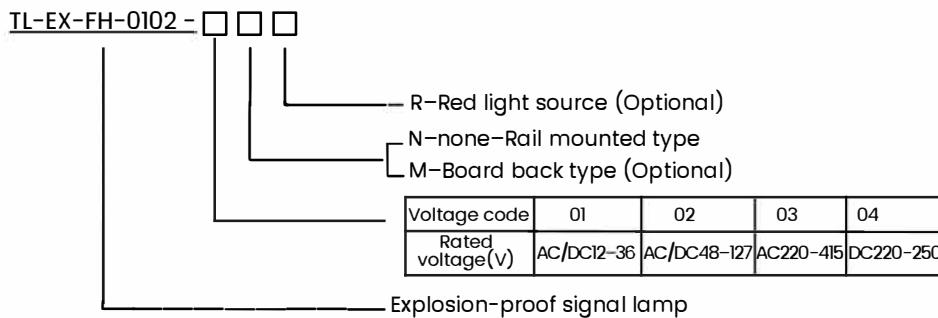
Without label holder



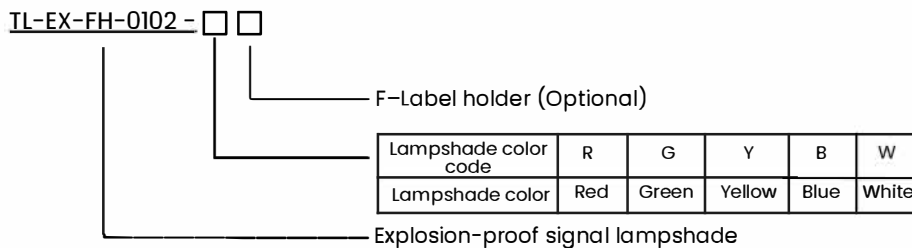
(M)

2 Nomenclature

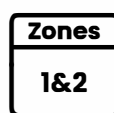
• Component.



• Electrical accessories :



Note: A yellow ring will be equipped when without label holder.



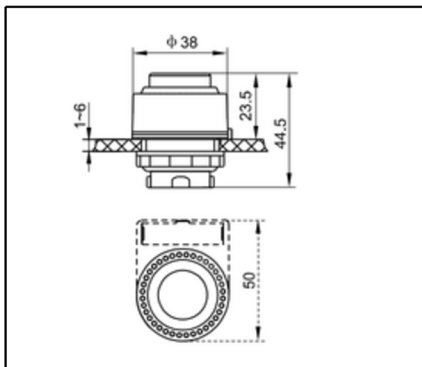
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3 Technical Parameter

Ex marking	Gas	Ex II 2 G Ex db eb IIC Gb	Ex db eb IIC Gb
Ex marking of electrical accessories	Gas	Ex II 2 G Ex eb IIC Gb	Ex eb IIC Gb
	Dust	Ex II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 EN 60079-0, EN60079-1, EN60079-7, EN60079-31	
Pole		Rail mounted type:1(2), Board back type:2	
Degree of protection		Terminal IP20, IP66 (After assembly with electrical accessories)	
Material	Signal lamp enclosure	Nylon(PA66), Polycarbonate(PC)	
	Electrical accessories	Nylon(PA66), Polycarbonate(PC)	
Electrical accessories lampshade color	Red	Green, Yellow, Blue, White	
	Red	White	
Light source		LED	
Rated voltage		12~36V AC/DC, 48~127V AC/DC, 220~415V AC, 220~250V DC	
Frequency		50Hz/60Hz	
Rated power		36V/0.6W, 127V/1.3W, 415V/3.8W, 250V/1.8W	
Electrical accessories weight		21g	
Electrical accessories weight		Rail mounted type: 30g (1pcs)	
		Board back type: 75g	
Ambient temperature		-40°C~+70°C	
Terminal wire diameter		0.75~2.5mm ²	

4 Outline Dimension of Electrical Accessories

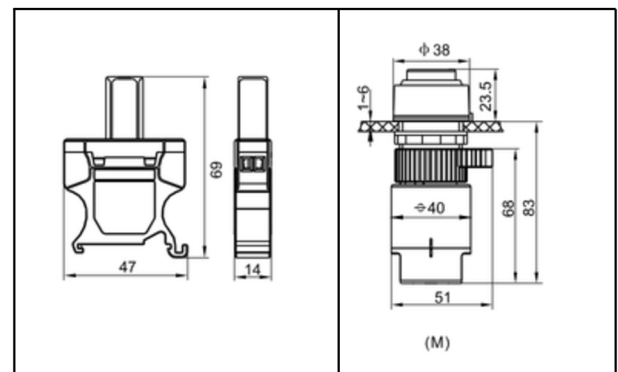
● Rail mounted (Board back) type



5 Component Outline Dimension (Dimensions in mm)

● Rail mounted type

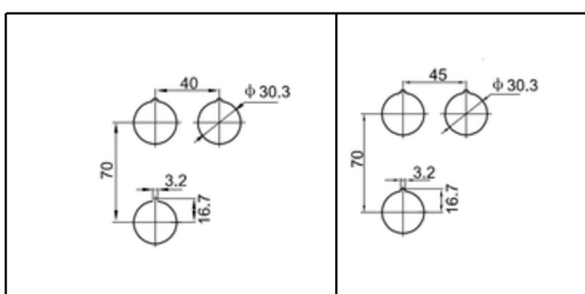
● Board back type



6 Installation Distance (Dimensions in mm)

● Rail mounted type

● Board back type



7 Schematic Diagram

