

# TL-EX-FH-0101-A(M)-Series Explosion-proof Button / Switch (Board Back Type)

## 1 Application and Features

- Explosion protection ATEX
- Application in hazardous are 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.

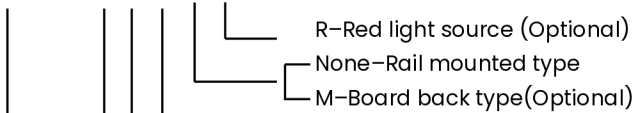
Electrical accessories



## 2 Nomenclature

### Component:

TL-EX-FH-0101 - A □ □ □ □

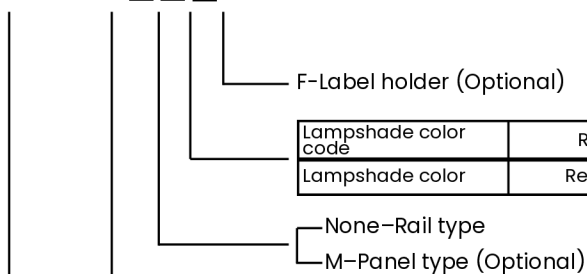


Contact code:	I	II	III	IV	V
Contact type of TL-EX-FH-0101-A	1NO + 1NC	2NO	2NC	1NO	1NC
Contact type of TL-EX-FH-0101AM	/	/	/	/	/
Voltage code of signal lamp	01	02	03	04	
Rated voltage (v)	AC/DC12-36	AC/DC48-127	AC220-415	DC220-250	

Button with signal lamp  
Explosion-proof button with signal lamp

### Electrical accessories (Optional)

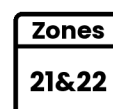
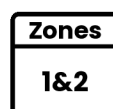
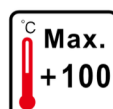
TL-EX-FH-0101 - A □ □ □ □



Lampshade color code	R	G	Y	B	W
Lampshade color	Red	Green	Yellow	Blue	White

Button with signal lamp  
Explosion-proof button with signal lamp head

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



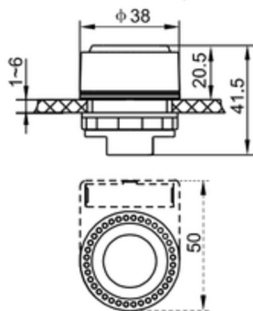
## TL-EX-FH-0101-A(M)-Series Explosion-proof Button / Switch (Board Back Type)

### 3 Technical Parameter

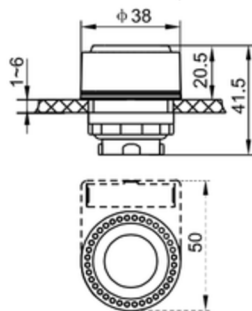
<b>Ex marking</b>	<b>Gas</b>	Ex II 2 G Ex db eb IIC Gb	Ex db eb IIC Gb
	<b>Gas</b>	Ex II 2 G Ex eb IIC Gb	Ex eb IIC Gb
	<b>Dust</b>	Ex II 2 D Ex tb IIIC Db	Ex tb IIIC Db
<b>Conformity to standards</b>		IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 EN 60079-0, EN60079-1, EN60079-7, EN60079-31	
<b>Signal lamp light source</b>		LED	
<b>Signal lamp rated voltage</b>		12~36V AC/DC, 48~127V AC/DC, 220~415V AC, 220~250V DC	
<b>Signal lamp rated power</b>		36V/60V, 127V/1.3W, 415V/3.8W, 250V/1.8W	
<b>Signal lamp ambient temperature</b>		-40°C ~ +70°C	
<b>Signal lamp terminal wire diameter</b>		1.0 ~ 2.5mm <sup>2</sup>	
<b>Electrical accessories lampshade color</b>		Red	Green, Yellow, Blue, White
<b>Signal lamp light source color</b>		Red	White
<b>Button terminal wire diameter</b>		6A: 0.75~2.5mm <sup>2</sup> , 10A: 1.5~2.5mm <sup>2</sup>	
<b>Degree of protection</b>		Terminal IP20, IP66 (After assembly with electrical accessories)	
<b>Electrical accessories weight</b>		26g	
<b>Frequency</b>		50Hz/60Hz	
<b>Material</b>	<b>Button enclosure</b>	Nylon(PA66), Polycarbonate(PC)	
	<b>Electrical accessories</b>	Nylon(PA66), Polycarbonate(PC)	
<b>Parameter</b>	<b>Rated voltage</b>	220V~250V AC	380V~415V AC 220V DC
	<b>Rated current</b>	6A, 10A	6A, 10A 0.25A
	<b>Rated voltage</b>	110V DC	60V DC 24V DC
	<b>Rated current</b>	1.6A	0.9A 0.4A
<b>Ambient temperature</b>	<b>Rail mounted type</b>	6A: -40°C ~ +70°C, 10A: -40°C ~ +60°C	
	<b>Board back type</b>	6A: -40°C ~ +70°C, 10A: -40°C ~ +65°C	
<b>Component weight</b>		Rail mounted type: 30g × 3	
		Board back type: 80g	

### 4 Outline Dimension of Electrical Accessories

#### ● Rail mounted type

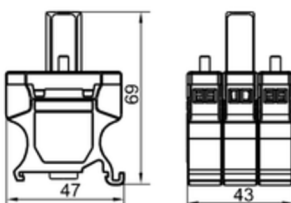


#### ● Board back type

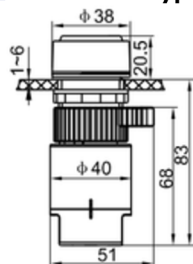


### 5 Component Outline Dimension (Dimensions in mm)

#### ● Rail mounted type



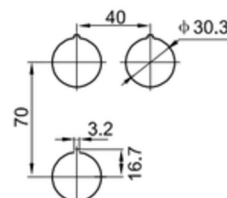
#### ● Board back type



(M)

### 6 Installation Distance (Dimensions in mm)

#### ● Rail mounted type



#### ● Board back type

