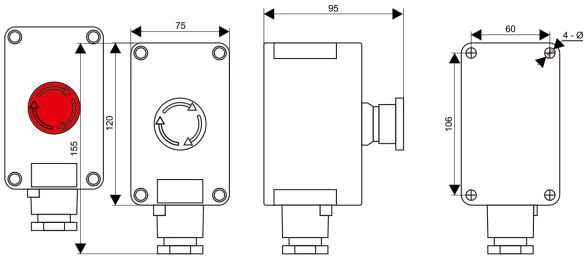
TCM-LA531x

Explosion-proof Emergency Button · Aluminum Enclosure







Dimensions (mm)

DESCRIPTION

TCM-LA531x is an ATEX-certified explosion-proof button controller for PAGA and emergency signalling systems in hazardous areas. The die-cast aluminum enclosure houses a flameproof mushroom-head emergency button with a protective cover, rated 12–380 V AC/DC with 1NO+1NC contacts, suitable for gas and combustible-dust environments.

FEATURE

- Die-cast aluminum alloy enclosure, shot-blasted and finished with high-voltage electrostatic powder coating
- Built-in flameproof button for increased safety
- Protective button cover to prevent accidental activation
- Wiring via steel conduit or cable
- Mounting screws for bracket installation

APPLICATION

- Explosive gas atmospheres Zone 1 and Zone 2
- Gas groups IIA, IIB, IIC
- Combustible dust Zone 20, Zone 21, Zone 22
- Temperature classes T1–T6
- Petroleum exploitation, refineries, chemical & pharmaceutical plants, textile, printing and military facilities

SPECIFICATION

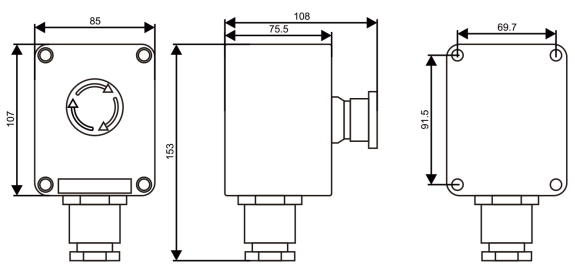
Parameter	Value
Standards	GB3836.1, GB3836.2, GB3836.3, GB12476.1, IEC60079-0, IEC60079-1, IEC60079-7, IEC61241-1, EN60079-0, EN60079-1, EN60079-7, EN61241-1
Explosion-proof mark	ATEX Ex de IIC T6 Gb, Ex tb IIIC T80°C Db IP66
Rated voltage	12 V – 380 V AC/DC
Contact / Current	1NO + 1NC / 10 A
Button protection	With button cover
Explosion-proof grade	WF1
Inlet thread	G1/4" – G1/2"
Cable outer diameter	9 mm – 14 mm
Enclosure material	Die-cast aluminum alloy, electrostatic powder coated
Dimensions (W × H × D)	75 × 120 × 95 mm (155 mm height incl. cable gland)
Mounting hole pitch	60 × 106 mm, 4 × Ø6 mm

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TCM-ZA50-1X

Explosion-proof Emergency Button · GRP Enclosure





Dimensions (mm)

DESCRIPTION

TCM-ZA50-1X is an ATEX-certified explosion-proof button controller with a glass-fiber reinforced polyester (GRP) enclosure for corrosive and hazardous areas, a durable, low-maintenance emergency trigger for PAGA systems.

FEATURE

- Glass-fiber reinforced polyester enclosure: corrosion-resistant, anti-static, impact-resistant with good thermal stability
- Increased-safety enclosure with built-in explosion-proof components
- Built-in explosion-proof control switch: compact, reliable, long service life
- Explosion-proof button with special cementing for reliable sealing
- Built-in protective button cover
- Labyrinth sealing structure, waterproof and dustproof
- Exposed anti-drop stainless-steel fasteners for easy installation and maintenance

APPLICATION

- Explosive gas atmospheres Zone 1 and Zone 2
- Gas groups IIA, IIB, IIC
- Temperature classes T1–T6
- Petroleum exploitation, refineries, chemical & pharmaceutical plants, textile, printing and military facilities

SPECIFICATION

Parameter	Value
Standards	GB3836.1, GB3836.2, GB3836.3, GB12476.1, IEC60079-0, IEC60079-1, IEC60079-7, IEC61241-1, EN60079-0, EN60079-1, EN60079-7, EN61241-1
Explosion-proof mark	ATEX Ex de IIC T6 Gb, Ex tb IIIC T80°C Db IP66
Rated voltage	12 V – 380 V AC/DC
Contact / Current	1NO + 1NC / 10 A
Button protection	With button cover (optional)
Explosion-proof grade	WF1
Inlet thread	G3/4" – G1/2"
Cable outer diameter	9 mm – 14 mm
Enclosure material	Glass-fiber reinforced polyester (GRP)
Dimensions (W × H × D)	85 × 107 × 108 mm (153 mm height incl. cable gland)
Mounting hole pitch	69.7 × 91.5 mm

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