

590.GE2012**SWITCH DISCONNECTOR**

20A 2P IP66/IP69 110x150x87mm Y1
IK09 GENERAL GREY/BLACK GW
650°C



* Product image may be indicative



EN IEC 60947-3 (2021)

EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU

DIRECTIVE RoHS 2011/65/EU

■ GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-TP Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-tp series is engineered for industrial applications, featuring a durable construction of engineering plastic. With a handle of grey/black, this device is designed for high visibility and operational efficiency. It carries a rated current of 20A and operates at a rated voltage of 690V, with a current (Ie) of 20A in AC23A (415V). The switch disconnectors is configured with 2P poles and a Y1 switch size, ensuring reliable performance. It offers a high protection degree of IP66/IP69 and an impact resistance of IK09, suitable for demanding environments. Notable features include a surface mounting version, a reversible base, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	2P
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	25A
Current (Ie) in AC21A (415V)	25A
Current (Ie) in AC21A (500V)	25A
Current (Ie) in AC21A (690V)	25A
Current (Ie) in AC22A (415V)	20A
Current (Ie) in AC22A (500V)	20A
Current (Ie) in AC22A (690V)	20A
Current (Ie) in AC23A (415V)	20A
Current (Ie) in AC23A (500V)	20A
Current (Ie) in AC23A (690V)	20A
Current (Ie) in AC3 (415V)	18A
Current (Ie) in AC3 (690V)	12A
Current (Ie) in DC22A (250V)	25A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	11kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	20A
Terminals - Flexible wires	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09

Padlock	ø6mm
Terminals tightening torque	0,8Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
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■ DOWNLOAD

Technical drawing [PDF]
Technical drawing [STP]
Technical drawing [DWG]
Instruction manual

■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

Submitted by TECO Group