

590.GE8005

SWITCH DISCONNECTOR
80A 4P(3P+N) IP66/IP69
160x220x115mm Y2 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 engineering plastic construction. With a handle of grey/black for professional aesthetics, this device carries a rated current of 80A and operates efficiently at 67A in AC23A (415V). It offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. The switch disconnectors is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y2 switch size, operating at a rated voltage of 690V. Notable features include a reversible base, door interlock, padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, blank side with drilling point marks, and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	4P(3P+N)
Switch size	Y2
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	80A
Current (Ie) in AC21A (415V)	80A
Current (Ie) in AC21A (500V)	80A
Current (Ie) in AC21A (690V)	80A
Current (Ie) in AC22A (415V)	80A
Current (Ie) in AC22A (500V)	80A
Current (Ie) in AC22A (690V)	80A
Current (Ie) in AC23A (415V)	67A
Current (Ie) in AC23A (500V)	67A
Current (Ie) in AC23A (690V)	38A
Current (Ie) in AC3 (415V)	55A
Current (Ie) in AC3 (690V)	32A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	80A
Terminals - Rigid wires	10-35mm 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	ø8mm
Terminals tightening torque	3,6Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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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
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base

Submitted by TECO Group