590.GE10005.W

SWITCH DISCONNECTOR
100A 4P(3P+N) IP66/IP69
240x340x137mm Y4 IK09 GENERAL
GREY/BLACK HIGH WIRING
CAPACITY 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 disconnector isolators-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 100A and operates at a rated voltage of 690V, with a current (Ie) in AC23A (415V) of 100A. The switch disconnector is configured with 4P(3P+N) poles and a Y4 switch size, ensuring reliable performance. It offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Notable features include a surface mounting version, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The enclosure includes a reversible base and increased dimensions, with late break and early make neutral pole.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	100A
Poles	4P(3P+N)
Switch size	Y4
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	125A
Current (Ie) AC21A (415V)	125A
Current (Ie) AC21A (500V)	125A
Current (Ie) AC21A (690V)	125A
Current (Ie) AC22A (415V)	100A
Current (Ie) AC22A (500V)	100A
Current (Ie) AC22A (690V)	100A
Current (Ie) AC23A (415V)	100A
Current (Ie) AC23A (500V)	63A
Current (Ie) AC23A (690V)	63A
Power AC23A (415V)	45kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	30kAeff
Associate fuse - type gG	100A
Terminals - Flexible wires	10-50mm²
Terminals - Rigid wires	10-50mm²

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	3,5Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Notes	HIGH WIRING CAPACITY
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
	Switch and enclosure increased dimensions