590.GE10005

SWITCH DISCONNECTOR
100A 4P(3P+N) IP66/IP69
160x220x115mm Y4 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 disconnector isolators-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 100A and operates efficiently at 100A 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 disconnector is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y4 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, and break-through cable entries on the bottom side base.

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	160x220x115mm

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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