590.GE4015.SN

SWITCH DISCONNECTOR
40A 3P+SN IP66/IP69
110x150x87mm Y1 IK09 GENERAL
GREY/BLACK SN (WITH NEUTRAL
LINK) 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, this device is designed for surface mounting. It carries a rated current of 40A and operates efficiently at 35A in AC23A (415V). The switch disconnector offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. Configured with 3P+SN poles and an unswitched neutral (solid neutral terminal block), it operates at a rated voltage of 690V. Notable features include a reversible base, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The design includes blank side with drilling point marks and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	40A
Poles	3P+SN
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	40A
Current (Ie) AC21A (415V)	40A
Current (Ie) AC21A (500V)	32A
Current (Ie) AC21A (690V)	32A
Current (Ie) AC22A (415V)	40A
Current (Ie) AC22A (500V)	32A
Current (Ie) AC22A (690V)	32A
Current (Ie) AC23A (415V)	35A
Current (Ie) AC23A (500V)	25A
Current (Ie) AC23A (690V)	25A
Current (Ie) AC3 (415V)	28.5A
Current (Ie) AC3 (690V)	20A
Current (Ie) in DC22A (250V)	32A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	18.5kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	40A
Terminals - Flexible wires	1.5-10mm²
Terminals - Rigid wires	1.5-16mm²

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

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Protection degree IK	IK09
Padlock	ø6mm
Terminals tightening torque	0,8Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm

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

OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base