590.GE16015.SN

SWITCH DISCONNECTOR
160A 3P+SN IP65 460x520x245mm
K2 IK08 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

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 160A and operates efficiently at 160A in AC23A (415V). It offers a protection degree of IP65 and an impact resistance of IK08, ensuring reliability in demanding environments. The switch disconnector is configured with 3P+SN poles and a solid neutral terminal block, with a K2 switch size, operating at a rated voltage of 690V. Notable features include blank sides, a door interlock, and a padlockable handle in the OFF position for up to three padlocks, enhancing safety and security. Designed for surface mounting, this enclosed unit is built for robust performance.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	160A
Poles	3P+SN
Switch size	K2
Rated voltage	690V
Rated insulation voltage (Ui)	1000VAC
Rated impulse voltage (Uimp)	12KV
Thermal current (Ithe)	200A
Current (Ie) AC21A (415V)	200A
Current (Ie) AC21A (500V)	200A
Current (Ie) AC21A (690V)	200A
Current (Ie) AC22A (415V)	160A
Current (Ie) AC22A (500V)	160A
Current (Ie) AC22A (690V)	160A
Current (Ie) AC23A (415V)	160A
Current (Ie) AC23A (500V)	125A
Current (Ie) AC23A (690V)	100A
Power AC23A (415V)	90kW
Short-time withstand current	8kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	160A

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP65
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK08
Padlock	ø8mm

DIMENSIONAL CHARACTERISTICS

Dimensions	460x520x245mm
Terminal bolt size	M8

Palm width	21mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Equipped with door interlock
	Blank sides
	Unswitched neutral (solid neutral terminal block)
	Handle padlockable in OFF position only (3 padlocks)