

590.HGE16003

SWITCH DISCONNECTOR
160A 3P IP65 315x410x150mm Y5
IK08 GENERAL GREY/BLACK



* 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-AL Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors-al series is engineered for industrial applications, featuring a robust die-cast aluminium 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 high protection degree of IP65 and an impact resistance IK08, ensuring durability and resistance to demanding environments. The switch disconnectors is configured with 3P poles and a Y5 switch size, operating at a rated voltage of 690V. Notable features include blank sides, a door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. Designed for surface mounting, this enclosed construction ensures reliable performance.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	160A
Poles	3P
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) in AC21A (415V)	160A
Current (Ie) in AC21A (500V)	160A
Current (Ie) in AC21A (690V)	160A
Current (Ie) in AC22A (415V)	160A
Current (Ie) in AC22A (500V)	160A
Current (Ie) in AC22A (690V)	125A
Current (Ie) in AC23A (415V)	160A
Current (Ie) in AC23A (500V)	125A
Current (Ie) in AC23A (690V)	125A
Power AC23A (415V)	75kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm ²
Terminals - Rigid wires	10-70mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	DIE-CAST ALUMINIUM
Protection degree IP	IP65
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
Protection degree IK	IK08
Padlock	ø8mm
Terminals tightening torque	6,0Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	315x410x150mm
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■ DOWNLOAD

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

■ OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Blank sides

Submitted by TECO Group