

**590.GE6305**

**SWITCH DISCONNECTOR**  
**63A 4P(3P+N) IP66/IP69**  
**160x220x115mm Y2 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 disconnectors-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 63A and operates at 63A in AC23A (415V), with a rated voltage of 690V. The switch disconnecter is configured with 4P(3P+N) poles and a Y2 switch size, ensuring reliable performance. It offers a high protection degree of IP66/IP69 and an impact resistance of IK09, suitable for demanding environments. Notable features include a surface mounting version, a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, and a reversible base with late break and early make neutral pole.

|                  |                  |
|------------------|------------------|
| Type             | GENERAL          |
| Mounting version | SURFACE MOUNTING |

## ■ TECHNICAL CHARACTERISTICS

|                                |                      |
|--------------------------------|----------------------|
| Rated current                  | 63A                  |
| Poles                          | 4P(3P+N)             |
| Switch size                    | Y2                   |
| Rated voltage                  | 690V                 |
| Rated insulation voltage (Ui)  | 690VAC               |
| Rated impulse voltage (Uimp)   | 4kV                  |
| Thermal current (Ithe)         | 63A                  |
| Current (Ie) in AC21A (415V)   | 63A                  |
| Current (Ie) in AC21A (500V)   | 63A                  |
| Current (Ie) in AC21A (690V)   | 63A                  |
| Current (Ie) in AC22A (415V)   | 63A                  |
| Current (Ie) in AC22A (500V)   | 63A                  |
| Current (Ie) in AC22A (690V)   | 63A                  |
| Current (Ie) in AC23A (415V)   | 63A                  |
| Current (Ie) in AC23A (500V)   | 63A                  |
| Current (Ie) in AC23A (690V)   | 38A                  |
| Current (Ie) in AC3 (415V)     | 40A                  |
| Current (Ie) in AC3 (690V)     | 25A                  |
| Power AC23A (415V)             | 30kW                 |
| Short-time withstand current   | 1,5kA Icw(1s)        |
| Conditional short circuit cur. | 10kAeff              |
| Associate fuse - type gG       | 63A                  |
| Terminals - Rigid wires        | 10-35mm <sup>2</sup> |

## ■ 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 | 3,6Nm               |

## ■ DIMENSIONAL CHARACTERISTICS

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|            |               |
|------------|---------------|
| Dimensions | 160x220x115mm |
|------------|---------------|

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## ■ DOWNLOAD

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

## ■ OPTIONS & VARIOUS NOTES

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|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| 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                    |

Submitted by TECO Group