# 590.CGE3213

SWITCH DISCONNECTOR
32A 3P IP66/IP69 110x150x87mm Y1 IK09 GENERAL GREY/BLACK GW 650°C



* Product image may be indicative

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 construction of engineering plastic. With a handle of grey/black, this device is designed for surface mounting and operates at a rated current of 32A and a rated voltage of 690V. It is configured with 3P poles and a Y1 switch size, ensuring efficient performance. The switch disconnector offers a high protection degree of IP66/IP69 and an impact resistance of IK09, providing resilience in demanding environments. Notable features include a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, and a reversible base. It is EMC compliant and includes blank side drilling point marks and break-through cable entries.

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

## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| Rated current | 32A |
| Poles | 3P |
| Switch size | Y1 |
| Rated voltage | 690V |
| EMC clips number | 2 |
| 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) | 32A |
| Current (Ie) AC22A (500V) | 32A |
| Current (Ie) AC22A (690V) | 32A |
| Current (Ie) AC23A (415V) | 32A |
| Current (Ie) AC23A (500V) | 25A |
| Current (Ie) AC23A (690V) | 25A |
| Current (Ie) AC3 (415V) | 25A |
| Current (Ie) AC3 (690V) | 18A |
| Current (Ie) in DC22A (250V) | 32A |
| Current (Ie) in DC22A (600V) | 10A |
| Power AC23A (415V) | 15kW |
| Short-time withstand current | 400A Icw(1s) |
| Conditional short circuit cur. | 10kAeff |
| Associate fuse - type gG | 32A |
| 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 |
| Cable shielding (ø min-max) | 11-17mm |

## DOWNLOAD

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 |
| | Reversible base |
| | Blank side with drilling point marks on top side base |
| | Break-through cable entries on bottom side base |
| | EMC (Electromagnetic Compatibility) compliant connection |