

**590.HGE4005**

**SWITCH DISCONNECTOR**  
**40A 4P(3P+N) IP66 105x150x82mm**  
**Y1 IK10 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 disconnecter isolators-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 40A and operates efficiently at 35A in AC23A (415V). It offers a high protection degree of IP66 and an impact resistance IK10, ensuring durability and resistance to harsh environments. The switch disconnecter is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y1 switch size, operating a rated voltage of 690V. Notable features include a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, and open threaded cable entry with cap/cable sleeve.

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

## ■ TECHNICAL CHARACTERISTICS

|                                |                       |
|--------------------------------|-----------------------|
| Rated current                  | 40A                   |
| Poles                          | 4P(3P+N)              |
| Switch size                    | Y1                    |
| Rated voltage                  | 690V                  |
| Rated insulation voltage (Ui)  | 690VAC                |
| Rated impulse voltage (Uimp)   | 4kV                   |
| Thermal current (Ithe)         | 40A                   |
| Current (Ie) in AC21A (415V)   | 40A                   |
| Current (Ie) in AC21A (500V)   | 32A                   |
| Current (Ie) in AC21A (690V)   | 32A                   |
| Current (Ie) in AC22A (415V)   | 40A                   |
| Current (Ie) in AC22A (500V)   | 32A                   |
| Current (Ie) in AC22A (690V)   | 32A                   |
| Current (Ie) in AC23A (415V)   | 35A                   |
| Current (Ie) in AC23A (500V)   | 25A                   |
| Current (Ie) in AC23A (690V)   | 25A                   |
| Current (Ie) in AC3 (415V)     | 28.5A                 |
| Current (Ie) in 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     | 1.5-10mm <sup>2</sup> |
| Terminals - Rigid wires        | 1.5-16mm <sup>2</sup> |

## ■ PHYSICAL CHARACTERISTICS

|                          |                    |
|--------------------------|--------------------|
| Construction type        | Enclosed           |
| Mounting version         | SURFACE MOUNTING   |
| Material                 | DIE-CAST ALUMINIUM |
| Protection degree IP     | IP66               |
| Installation temperature | -25°C/+60°C        |
| Colour                   | GREY/BLACK         |
| Protection degree IK     | IK10               |
| Padlock                  | ø8mm               |

|                             |       |
|-----------------------------|-------|
| Terminals tightening torque | 0,8Nm |
|-----------------------------|-------|

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**■ DIMENSIONAL CHARACTERISTICS**

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|            |              |
|------------|--------------|
| Dimensions | 105x150x82mm |
|------------|--------------|

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**■ DOWNLOAD**

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Instruction manual

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**■ 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                        |
|                 | Open threaded cable entry with cap / cable sleeve                  |

Submitted by TECO Group