# 590.EM8003

SWITCH DISCONNECTOR
80A 3P IP66/IP69 160x220x115mm
Y2 IK09 EMERGENCY YELLOW/RED
GW 650°C



EN IEC 60947-1 (2021)
EN IEC 60947-3 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU

| | |
|---|---|
| Commercial Series | ISOLATORS-TP Series |
| Synthetical description | SWITCH DISCONNECTOR |
| Type | EMERGENCY |
| Mounting version | SURFACE MOUNTING |

## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| Rated current | 80A |
| Poles | 3P |
| Switch size | Y2 |
| Rated voltage | 690V |
| Rated insulation voltage (Ui) | 690VAC |
| Rated impulse voltage (Uimp) | 4kV |
| Thermal current (Ithe) | 80A |
| Current (Ie) in AC21A (415V) | 80A |
| Current (Ie) in AC21A (500V) | 80A |
| Current (Ie) in AC21A (690V) | 80A |
| Current (Ie) in AC22A (415V) | 80A |
| Current (Ie) in AC22A (500V) | 80A |
| Current (Ie) in AC22A (690V) | 80A |
| Current (Ie) in AC23A (415V) | 67A |
| Current (Ie) in AC23A (500V) | 67A |
| Current (Ie) in AC23A (690V) | 38A |
| Current (Ie) in AC3 (415V) | 55A |
| Current (Ie) in AC3 (690V) | 32A |
| Current (Ie) in DC22A (250V) | 63A |
| Power AC23A (415V) | 37kW |
| Short-time current | 1,5kA Icw(1s) |
| Conditional short circuit cur. | 10kAeff |
| Associate fuse - type gG | 80A |
| Terminals - Flexible wires | 10-35mm² |
| Terminals - Rigid wires | 10-35mm² |

## PHYSICAL CHARACTERISTICS

| | |
|---|---|
| Construction type | Enclosed |
| Mounting version | SURFACE MOUNTING |
| Material | ENGINEERING PLASTIC |
| Protection degree IP | IP66/IP69 |
| Installation temperature | -25°C/+60°C |
| Colour | YELLOW/RED |
| GLOW WIRE | GW 650°C |
| Protection degree IK | IK09 |

## DIMENSIONAL CHARACTERISTICS

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

## DOWNLOAD

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

## OPTIONS & VARIOUS NOTES

| | |
|---|---|
| Catalogue notes | Handle padlockable in OFF position only (3 padlocks) |
| Catalogue notes | Equipped with door interlock |
| Catalogue notes | Blank side with drilling point marks on top side base |
| Catalogue notes | Break-through cable entries on bottom side base |
| Catalogue notes | Reversible base |