OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# POLYCARBONATE ENCLOSURES

39967
KEM 463 M3, Polycarbonate Enclosure, 4-Pole, 63A




- 10-630A switch ratings
- Other switch configurations available on request
- Wide operating temperature
- Tested to IEC 60947-3

### PRODUCT DESCRIPTION

Switch Disconnectors housed in high-quality polycarbonate enclosures.
All polycarbonate enclosures are IP66 rated at a minimum for robust protection against dust and water.
Available in both black/grey and yellow/red.

These enclosures are self-extinguishing with a wide operating temperature range, as well as both UV and chemical resistant for long-lasting durability.

Tested to IEC 60947-3.
Note! Al-cables cannot be connected directly to switch terminals. For Al-cable connection please use a bi-metal cable connector.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Number of poles** | 4 |
| **Rated insulation voltage Ui** | 800 V |
| **Rated thermal current, Ith** | 80 A |
| **Enclosure dimensions** | 190x144x96mm |
| **Terminals / Bolt size Cu** | 2.5-35 |
| **Nominal values with cable size** | 25 |
| **Weight** | 0.7 kg |

## RATED OPERATIONAL CURRENT, IE

| | |
|---|---|
| **Operational current - AC-21A - 400/415V** | 80 A |
| **Operational current - AC-21A - 500V** | 80 A |
| **Operational current - AC-21A - 690V** | 80 A |

| | |
|---|---|
| **Operational current - AC-22A - 400/415V** | 63 A |
| **Operational current - AC-22A - 500V** | 63 A |
| **Operational current - AC-22A - 690V** | 63 A |
| **Operational current - AC-23A - 400/415V** | 40 A |
| **Operational current - AC-23A - 500V** | 40 A |
| **Operational current - AC-23A - 690V** | 40 A |

## RATED OPERATIONAL POWER FOR 3-PHASE (1500 R.P.M.) SQUIRREL CAGE INDUCTION MOTORS (KW)

| | |
|---|---|
| **Operational power - AC-23A - 400/415V** | 22 kW |
| **Operational power - AC-23A - 500V** | 30 kW |
| **Operational power - AC-23A - 690V** | 37 kW |

## RATED FUSED SHORT CIRCUIT CURRENT

| | |
|---|---|
| **Back-up fuse** | 80 A |
| **6339_R.M.S value, IK (kA)** | 50 |
| **Peak value** | 8.7 kA |
| **Rated impulse withstand voltage Uimp** | 8 kV |
| **5530_Rated short circuit making capacity at 690V, Icm (kA)** | 3.1 |
| **5809_Rated short time withstand current at 690V (1 s), Icw (kA)** | 2 |

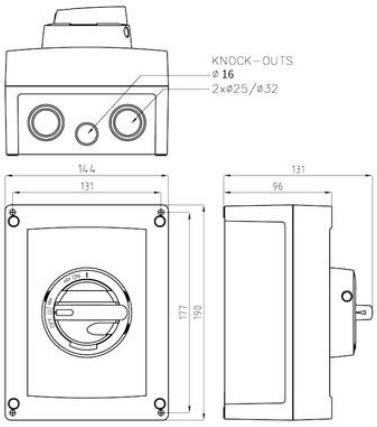
## RATED BREAKING CAPACITY, ICN

| | |
|---|---|
| **Breaking capacity - AC-23A - 400/415V** | 320 A |
| **Breaking capacity - AC-23A - 500V** | 320 A |
| **Breaking capacity - AC-23A - 690V** | 320 A |

## ADDITIONAL DETAILS

| | |
|---|---|
| **Electrical endurance** | 3000 operations |
| **Mechanical endurance** | 50000 operations |
| **4950_Max terminal torque (Nm)** | 2.5 |
| **Tariff code** | 85365080 |
| **Country of origin** | FI |

| | |
|---|---|
| **Switch colour** | Black/grey |


KNOCK-OUTS
ø 16
2xø25/ø32
144
131
131
96
177
190