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# POLYCARBONATE ENCLOSURES

48173
KEM 3125 YR M4, Polycarbonate Enclosure, Yellow/Red, 3-Pole, 125A




- 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** | 3 |
| **Rated insulation voltage Ui** | 800 V |
| **Rated thermal current, Ith** | 160 A |
| **Enclosure dimensions** | 270x190x100mm |
| **Terminals / Bolt size Cu** | 6-70 |
| **Nominal values with cable size** | 70 |
| **Weight** | 1 kg |

## RATED OPERATIONAL CURRENT, IE

| | |
|---|---|
| **Operational current - AC-21A - 400/415V** | 160 A |
| **Operational current - AC-21A - 500V** | 160 A |
| **Operational current - AC-21A - 690V** | 160 A |

| | |
|---|---|
| **Operational current - AC-22A - 400/415V** | 125 A |
| **Operational current - AC-22A - 500V** | 125 A |
| **Operational current - AC-22A - 690V** | 125 A |
| **Operational current - AC-23A - 400/415V** | 125 A |
| **Operational current - AC-23A - 500V** | 80 A |
| **Operational current - AC-23A - 690V** | 80 A |

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

| | |
|---|---|
| **Operational power - AC-23A - 400/415V** | 55 kW |
| **Operational power - AC-23A - 500V** | 55 kW |
| **Operational power - AC-23A - 690V** | 75 kW |

## RATED FUSED SHORT CIRCUIT CURRENT

| | |
|---|---|
| **Back-up fuse** | 160 A |
| **6339_R.M.S value, IK (kA)** | 65 |
| **Peak value** | 15 kA |
| **Rated impulse withstand voltage Uimp** | 8 kV |
| **5530_Rated short circuit making capacity at 690V, Icm (kA)** | 8 |
| **5809_Rated short time withstand current at 690V (1 s), Icw (kA)** | 5 |

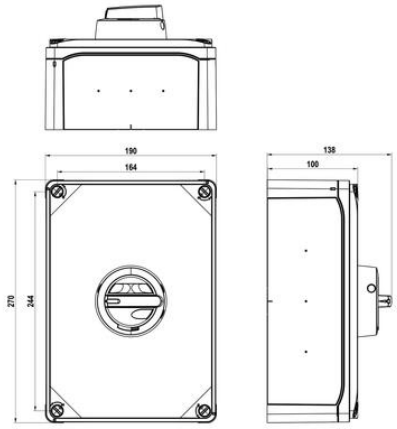
## RATED BREAKING CAPACITY, ICN

| | |
|---|---|
| **Breaking capacity - AC-23A - 400/415V** | 1000 A |
| **Breaking capacity - AC-23A - 500V** | 640 A |
| **Breaking capacity - AC-23A - 690V** | 640 A |

## ADDITIONAL DETAILS

| | |
|---|---|
| **Electrical endurance** | 2000 operations |
| **Mechanical endurance** | 16000 operations |
| **4950_Max terminal torque (Nm)** | 6 |
| **Tariff code** | 85365080 |
| **Country of origin** | FI |

| | |
|---|---|
| **Switch colour** | Red/yellow |


190
164
138
100
270
244