

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 |
| R.M.S value, IK | 50 |
| Peak value | 8.7 kA |
| Rated impulse withstand voltage Uimp | 8 kV |
| Rated short circuit making capacity at 690V, Icm | 3.1 |
| Rated short time withstand current at 690V (1 s), Icw | 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 |
| Max terminal torque | 2.5 |
| Tariff code | 85365080 |
| Country of origin | FI |
| Switch colour | Black/grey |

