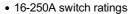
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ALUMINIUM ENCLOSURES

31534

KEA 3100 A4, Aluminium Enclosure, 3-Pole, 100A



- Other switch configurations available
- Excellent for hard weather conditions
- Tested to IEC 60947-3



PRODUCT DESCRIPTION

Switch Disconnectors housed in high-quality aluminium enclosures.

All aluminium enclosures are IP65 rated at a minimum for robust protection against dust and water.

Available in both black/grey and yellow/red.

A2/A4 enclosures are IK08 rated. (Degree of mechanical impact)

A5/A6 enclosures are IK10 rated.

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 | 125 A |
| Enclosure dimensions | 262x162x108mm |
| Terminals / Bolt size Cu | 6-70 |
| Nominal values with cable size | 70 |
| Weight | 3.5 kg |

RATED OPERATIONAL CURRENT, IE

| Operational current - AC-21A - 400/415V | 125 A |
|---|-------|
| Operational current - AC-21A - 500V | 125 A |

| Operational current - AC-21A - 690V | 125 A |
|---|-------|
| Operational current - AC-22A - 400/415V | 100 A |
| Operational current - AC-22A - 500V | 100 A |
| Operational current - AC-22A - 690V | 100 A |
| Operational current - AC-23A - 400/415V | 100 A |
| Operational current - AC-23A - 500V | 63 A |
| Operational current - AC-23A - 690V | 63 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 | 37 kW |
| Operational power - AC-23A - 690V | 55 kW |

RATED FUSED SHORT CIRCUIT CURRENT

| Back-up fuse | 160 A |
|---|-------|
| R.M.S value, IK | 65 |
| Peak value | 15 kA |
| Rated impulse withstand voltage Uimp | 8 kV |
| Rated short circuit making capacity at 690V, lcm | 8 |
| Rated short time withstand current at 690V (1 s), lcw | 5 |

RATED BREAKING CAPACITY, ICN

| Breaking capacity - AC-23A - 400/415V | 800 A |
|---------------------------------------|-------|
| Breaking capacity - AC-23A - 500V | 504 A |
| Breaking capacity - AC-23A - 690V | 504 A |

ADDITIONAL DETAILS

| Electrical endurance | 2000 operations |
|----------------------|------------------|
| Mechanical endurance | 16000 operations |
| Max terminal torque | 6 |
| Tariff code | 85365080 |
| Country of origin | FI |
| | |
| Switch colour | Black/grey |

