

## ALUMINIUM ENCLOSURES

31534

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

- 16-250A switch ratings
- 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! AI-cables cannot be connected directly to switch terminals. For AI-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, Icm	8
Rated short time withstand current at 690V (1 s), Icw	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

