OEM Automatic Ltd
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ALUMINIUM ENCLOSURES

31538
KEA 3100 YR A4, Aluminium Enclosure, Yellow/Red, 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! 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
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

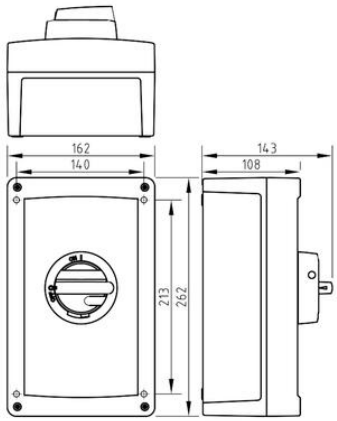
RATED BREAKING CAPACITY, ICN

Breaking capacity - AC-23A - 400/415V	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
4950_Max terminal torque (Nm)	6
Tariff code	85365080
Country of origin	FI

Switch colour	Red/yellow


162
140
143
108
213
262