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POLYCARBONATE ENCLOSURES

39970
KEM 480 YR M3, Polycarbonate Enclosure, Yellow/Red, 4-Pole, 80A



- 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	100 A
Enclosure dimensions	190x144x96mm
Terminals / Bolt size Cu	2.5-35
Nominal values with cable size	35
Weight	0.7 kg

RATED OPERATIONAL CURRENT, IE

Operational current - AC-21A - 400/415V	100 A
Operational current - AC-21A - 500V	100 A
Operational current - AC-21A - 690V	100 A

Operational current - AC-22A - 400/415V	80 A
Operational current - AC-22A - 500V	80 A
Operational current - AC-22A - 690V	80 A
Operational current - AC-23A - 400/415V	63 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	30 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
6339_R.M.S value, IK (kA)	50
Peak value	8.7 kA
Rated impulse withstand voltage Uimp	8 kV
5530_Rated short circuit making capacity at 690V, Icm (kA)	3.1
5809_Rated short time withstand current at 690V (1 s), Icw (kA)	2

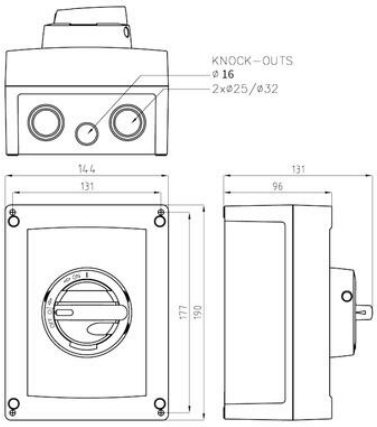
RATED BREAKING CAPACITY, ICN

Breaking capacity - AC-23A - 400/415V	504 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
4950_Max terminal torque (Nm)	2.5
Tariff code	85365080
Country of origin	FI

Switch colour	Red/yellow


KNOCK-OUTS
ø 16
2xø25/ø32
144
131
131
96
177
190