

POLYCARBONATE ENCLOSURES

44054

KEM 416 M2, Polycarbonate Enclosure, 4-Pole, 16A

- 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	25 A
Enclosure dimensions	130x96x106mm
Terminals / Bolt size Cu	1.5-16
Nominal values with cable size	4
Weight	0.5 kg

RATED OPERATIONAL CURRENT, IE

Operational current - AC-21A - 400/415V	25 A
Operational current - AC-21A - 500V	25 A

Operational current - AC-21A - 690V	25 A
Operational current - AC-22A - 400/415V	16 A
Operational current - AC-22A - 500V	16 A
Operational current - AC-22A - 690V	16 A
Operational current - AC-23A - 400/415V	16 A
Operational current - AC-23A - 500V	16 A
Operational current - AC-23A - 690V	16 A

RATED OPERATIONAL POWER FOR 3-PHASE (1500 R.P.M.) SQUIRREL CAGE INDUCTION MOTORS (KW)

Operational power - AC-23A - 400/415V	7.5 kW
Operational power - AC-23A - 500V	7.5 kW
Operational power - AC-23A - 690V	11 kW

RATED FUSED SHORT CIRCUIT CURRENT

Back-up fuse	25 A
R.M.S value, IK	50
Peak value	3.8 kA
Rated impulse withstand voltage Uimp	8 kV
Rated short circuit making capacity at 690V, Icm	1
Rated short time withstand current at 690V (1 s), Icw	0.7

RATED BREAKING CAPACITY, ICN

Breaking capacity - AC-23A - 400/415V	128 A
Breaking capacity - AC-23A - 500V	128 A
Breaking capacity - AC-23A - 690V	128 A

ADDITIONAL DETAILS

Electrical endurance	3000 operations
Mechanical endurance	50000 operations
Max terminal torque	1.8
Tariff code	85365080
Country of origin	FI
Switch colour	Black/grey

