

## 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
R.M.S value, IK	50
Peak value	8.7 kA
Rated impulse withstand voltage Uimp	8 kV
Rated short circuit making capacity at 690V, Icm	3.1
Rated short time withstand current at 690V (1 s), Icw	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
Max terminal torque	2.5
Tariff code	85365080
Country of origin	FI
Switch colour	Red/yellow

