

## ABS ENCLOSURES

48100

KEM 310 M2ABS, ABS Enclosure, 3-Pole, 10A

- 10-630A switch ratings
- Other switch configurations available
- Recommended for indoor installation only
- Tested to IEC 60947-3



### PRODUCT DESCRIPTION

Switch Disconnectors housed in high-quality ABS enclosures.

All ABS enclosures are IP65 rated at a minimum for robust protection against dust and water.

Available in both black/grey and yellow/red.

These enclosures are made from recyclable ABS plastic which provides excellent insulating properties and good resistance against many chemicals.

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 $U_i$  | 800 V        |
| Rated thermal current, $I_{th}$ | 20 A         |
| Enclosure dimensions            | 130x96x106mm |
| Terminals / Bolt size Cu        | 1.5-16       |
| Nominal values with cable size  | 2.5          |
| Weight                          | 0,4 kg       |

### RATED OPERATIONAL CURRENT, $I_E$

|   |      |
|---|------|
| Operational current - AC-21A - 400/415V | 20 A |
| Operational current - AC-21A - 500V     | 20 A |

|   |      |
|---|------|
| Operational current - AC-21A - 690V     | 20 A |
| Operational current - AC-22A - 400/415V | 10 A |
| Operational current - AC-22A - 500V     | 10 A |
| Operational current - AC-22A - 690V     | 10 A |
| Operational current - AC-23A - 400/415V | 10 A |
| Operational current - AC-23A - 500V     | 10 A |
| Operational current - AC-23A - 690V     | 10 A |

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

|                                       |        |
|---------------------------------------|--------|
| Operational power - AC-23A - 400/415V | 5,5 kW |
| Operational power - AC-23A - 500V     | 5,5 kW |
| Operational power - AC-23A - 690V     | 7,5 kW |

### **RATED FUSED SHORT CIRCUIT CURRENT**

|   |        |
|---|--------|
| Back-up fuse  | 63 A   |
| R.M.S value, I <sub>K</sub>                                       | 50 kA  |
| Peak value  | 7,2 kA |
| Rated impulse withstand voltage U <sub>imp</sub>                  | 8 kV   |
| Rated short circuit making capacity at 690V, I <sub>cm</sub>      | 2.5 kA |
| Rated short time withstand current at 690V (1 s), I <sub>cw</sub> | 1.7 kA |

### **RATED BREAKING CAPACITY, I<sub>cn</sub>**

|                                       |      |
|---------------------------------------|------|
| Breaking capacity - AC-23A - 400/415V | 80 A |
| Breaking capacity - AC-23A - 500V     | 80 A |
| Breaking capacity - AC-23A - 690V     | 80 A |

### **ADDITIONAL DETAILS**

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



KNOCK-OUTS  
Ø20/25 on the top and bottom  
and Ø20 on the base

