

## 100-160A SWITCH DISCONNECTORS

20367

KU 4100, Screw Mounted, 4-pole, 100A

- Din rail/screw mounting
- 3 and 4 pole as standard, other configurations on request
- Silver contacts ensures safe and durable operation
- Modular design



### PRODUCT DESCRIPTION

Katko 100-160A switch disconnectors are din rail/screw mountable(KU) and are a modular design. 3-pole and 4-pole KU-switches as standard. Other configurations on request. 6-pole and 8-pole versions consist of two 3-pole or 4-pole KU-switches connected by a parallel kit.

Switch technology by means of silver contacts ensures safe and durable operation. Compatible with handles LK10 and LK11 (3 and 4 poles) and LK12 (6 and 8 poles) and LK12CO102 (change-over switch). Shafts L=100/200/300 AD11 and L=100/200/300 AD11/VT (3 and 4 poles), L=100/200/300 AD12/VT (6 and 8 poles and change-over switch).

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, I <sub>th</sub> | 125 A         |
| Type                                   | Screw-mounted |
| Terminals / Bolt size Cu               | 6-70          |
| Nominal values with cable size         | 70            |
| Weight                                 | 0.59 kg       |

### RATED OPERATIONAL CURRENT, I<sub>e</sub>

|   |       |
|---|-------|
| 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 |
| R.M.S value, IK                                       | 65    |
| Peak value  | 15 kA |
| Rated impulse withstand voltage Uimp                  | 8 kV  |
| Rated short circuit making capacity at 690V, Icm      | 8     |
| Rated short time withstand current at 690V (1 s), Icw | 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 |
| Max terminal torque  | 6                |
| Tariff code          | 85365080         |
| Country of origin    | FI               |

