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# 100-160A SWITCH DISCONNECTORS

20350
KU 3160, Screw Mounted, 3-pole, 160A

- 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** | 3 |
| **Rated insulation voltage Ui** | 800 V |
| **Rated thermal current, Ith** | 200 A |
| **Type** | Screw-mounted |
| **Terminals / Bolt size Cu** | 6-70 |
| **Nominal values with cable size** | 95 |
| **Weight** | 0.45 kg |

## RATED OPERATIONAL CURRENT, IE

| | |
|---|---|
| **Operational current - AC-21A - 400/415V** | 160 A |
| **Operational current - AC-21A - 500V** | 160 A |

| | |
|---|---|
| **Operational current - AC-21A - 690V** | 160 A |
| **Operational current - AC-22A - 400/415V** | 160 A |
| **Operational current - AC-22A - 500V** | 160 A |
| **Operational current - AC-22A - 690V** | 160 A |
| **Operational current - AC-23A - 400/415V** | 160 A |
| **Operational current - AC-23A - 500V** | 100 A |
| **Operational current - AC-23A - 690V** | 100 A |

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

| | |
|---|---|
| **Operational power - AC-23A - 400/415V** | 90 kW |
| **Operational power - AC-23A - 500V** | 55 kW |
| **Operational power - AC-23A - 690V** | 90 kW |

## RATED FUSED SHORT CIRCUIT CURRENT

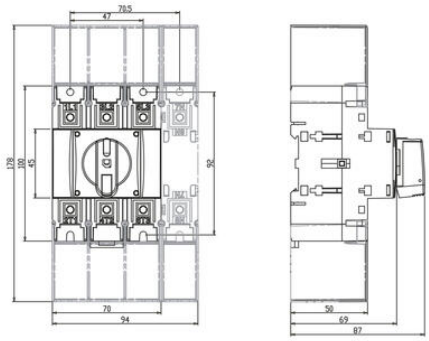
| | |
|---|---|
| **Back-up fuse** | 160 A |
| **6339_R.M.S value, IK (kA)** | 65 |
| **Peak value** | 15 kA |
| **Rated impulse withstand voltage Uimp** | 8 kV |
| **5530_Rated short circuit making capacity at 690V, Icm (kA)** | 8 |
| **5809_Rated short time withstand current at 690V (1 s), Icw (kA)** | 5 |

## RATED BREAKING CAPACITY, ICN

| | |
|---|---|
| **Breaking capacity - AC-23A - 400/415V** | 1280 A |
| **Breaking capacity - AC-23A - 500V** | 800 A |
| **Breaking capacity - AC-23A - 690V** | 800 A |

## ADDITIONAL DETAILS

| | |
|---|---|
| **Electrical endurance** | 2000 operations |
| **Mechanical endurance** | 16000 operations |
| **4950_Max terminal torque (Nm)** | 6 |
| **Tariff code** | 85365080 |
| **Country of origin** | FI |


70.5
47
178
160
45
92
70
94
50
69
97