



## 100-160A SWITCH DISCONNECTORS

20348

KU 3100, Screw Mounted, 3-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! 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, $I_{th}$	125 A
Type	Screw-mounted
Terminals / Bolt size Cu	6-70
Nominal values with cable size	70
Weight	0,45 kg

### RATED OPERATIONAL CURRENT, $I_E$

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, I <sub>K</sub>	65 kA
Peak value	15 kA
Rated impulse withstand voltage U <sub>imp</sub>	8 kV
Rated short circuit making capacity at 690V, I <sub>cm</sub>	8 kA
Rated short time withstand current at 690V (1 s), I <sub>cw</sub>	5 kA

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

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 Nm
Tariff code	85365080
Country of origin	FI

