

LOAD BREAK SWITCHES 200-250A & 160A (P) ROTARY SWITCHES LOADSAFE KU SERIES



- Reliable switch for demanding industrial applications
- Made of 100% recyclable thermoplastic material
- The modular structure enables the drive mechanism position to be varied, mention when ordering
- Easy to install auxiliary contacts (1.V160KU & 2.V160KU)
- Available with terminal covers (LS250F (EAN 6419410205402) & LS250H (EAN 6419410205419)) and phase barriers (VS250 (EAN 6419410205396))
- Available with direct handle (Operation = Direct handle); or handle (LKX 100) and shaft (T6 AD12, 200mm shaft) (Operation = Rotary)
- Available with yellow/red handle (LKX 100 Y/R) and different length shaft when ordered separately
- 160 (P) model is an option for Katko's regular 160 A switch and suitable for industrial applications



reddot winner 2021
industrial design

Made of recyclable halogen-free V0 plastic and next generation modular design. LoadSafe KU 200-800 A range was awarded with Red Dot (2021) industrial product design award

SWITCHES

Type	EAN	E-number	AC-23A 690 V (A)	AC-23A 690 V (kW)	Weight (kg)	Operation	Switch Type	Number of Poles
External handle and shaft								
KU 3200	6419410205198	3602984	200	160	1	External handle	Load Break Switch	3
KU 3250	6419410205204	3602985	250	250	1	External handle	Load Break Switch	3
KU 4200	6419410205211	3602986	200	160	1,3	External handle	Load Break Switch	4
KU 4250	6419410205228	3602987	250	250	1,3	External handle	Load Break Switch	4
KU 6200	6419410205235	3602988	200	160	2,1	External handle	Load Break Switch	6
KU 6250	6419410205242	3602989	250	250	2,1	External handle	Load Break Switch	6
KU 8200	6419410205259	3602990	200	160	2,6	External handle	Load Break Switch	8
KU 8250	6419410205266	3602991	250	250	2,6	External handle	Load Break Switch	8
KU 3160P	6419410205464	3609223	160	132	1	External handle	Load Break Switch	3
KU 4160P	6419410205471	3609224	160	132	1,3	External handle	Load Break Switch	4
KU 6160P	6419410205488	3609225	160	132	2,1	External handle	Load Break Switch	6
KU 8160P	6419410205495	3609226	160	132	2,6	External handle	Load Break Switch	8
Direct handle								
KU 3200 SV	6419410205310	3602996	200	160	1	Direct handle	Load Break Switch	3
KU 3250 SV	6419410205327	3602997	250	250	1	Direct handle	Load Break Switch	3
KU 4200 SV	6419410205334	3602998	200	160	1,3	Direct handle	Load Break Switch	4
KU 4250 SV	6419410205341	3602999	250	250	1,3	Direct handle	Load Break Switch	4
KU 6200 SV	6419410205426	3609219	200	160	2,1	Direct handle	Load Break Switch	6
KU 6250 SV	6419410205433	3609220	250	250	2,1	Direct handle	Load Break Switch	6
KU 8200 SV	6419410205440	3609221	200	160	2,6	Direct handle	Load Break Switch	8
KU 8250 SV	6419410205457	3609222	250	250	2,6	Direct handle	Load Break Switch	8
KU 3160P SV	6419410205525	3609229	160	132	1	Direct handle	Load Break Switch	3
KU 4160P SV	6419410205532	3609230	160	132	1,3	Direct handle	Load Break Switch	4
KU 6160P SV	6419410205549	3609231	160	132	2,1	Direct handle	Load Break Switch	6
KU 8160P SV	6419410205556	3609232	160	132	2,6	Direct handle	Load Break Switch	8

RELATED ACCESSORIES

Type	Accessory	Description	For	EAN	E-number
LKX 100	Handle	Black handle	Standard external handle	6419410483565	3602850
LKX 100 Y/R	Handle	Yellow/red handle	Optional external handle	6419410483596	3602852
LS 250H	Terminal cover	1-pole terminal cover. High model.	Use with vertical (VB & VM) cable connectors	6419410205419	3609218
LS 250F	Terminal cover	1-pole terminal cover. Flush model.	Use with regular cable connectors	6419410205402	3609217
VS 250	Phase Barrier	Phase barrier	For all configurations	6419410205396	3609216
L=200 AD12/T6	Shaft	Length 200 mm, 6 mm steel shaft	Standard shaft with external handle	6419410271063	3609237
1.V160KU	Auxiliary contact	1NO/1NC	For all configurations	6419410300022	3600819
2.V160KU	Auxiliary contact	2NO/2NC	For all configurations	6419410300114	3600825



Attention! Cable connectors must be used with Al-cables. With Cu-cables cable connector usage is optional. Other connectors may be compatible, ask for more options.

CABLE CONNECTORS - SUGGESTIONS PER CABLE CROSS SECTION

100 - 160 A, Al cable	TOP			BOTTOM		
	1L1	3L2	5L3	2T1	4T2	6T3
Terminal position						
2.5 - 50 mm ²						
Connector	KKL2x50	KKL2x50	KKL2x50	KKL2x50	KKL2x50	KKL2x50
Terminal cover	LS250F	LS250F	LS250F	LS250F	LS250F	LS250F
70 - 95 mm ²						
Connector	KKL1x95	KKL1x95	KKL1x95	KKL1x95	KKL1x95	KKL1x95
Terminal cover	LS250F	LS250F	LS250F	LS250F	LS250F	LS250F
120 - 150 mm ²						
Connector, option 1	KKL1x150	KKL1x150	KKL1x150	KKL1x150	KKL1x150	KKL1x150
Connector, option 2	KKL2x150VM	KKL2x150VM	KKL2x150VM	KKL2x150VM	KKL2x150VM	KKL2x150VM
Connector, option 3	KKL2x150VB	KKL2x150VB	KKL2x150VB	KKL2x150VB	KKL2x150VB	KKL2x150VB
Connector, option 4	KLH2x150	KLH2x150	KLH2x150	KLH2x150	KLH2x150	KLH2x150
Terminal cover for option 1	LS250F	LS250F	LS250F	LS250F	LS250F	LS250F
Terminal cover for option 2 & 3	LS250H	LS250H	LS250H	LS250H	LS250H	LS250H
Terminal cover for option 4	-	-	-	-	-	-
Spreader	-	-	-	-	-	-

All connectors and more information available in KATKO ConnectSafe Catalogue. You will find it here: www.katko.com/downloads

TECHNICAL DATA

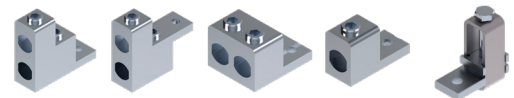
LOAD BREAK SWITCHES	KU ROTARY LBS			
	160A (P)	200A	250A	
Rated insulation voltage, U_i (V)	1000	1000	1000	
Rated thermal current, I_{th} (A)	200	250	315	
Nominal values with cable size (mm ²)	95	95	120	
Rated operational current, I_p (A)				
AC-21A	400/415V	160	200	250
	500V	160	200	250
	690V	160	200	250
AC-22A	400/415V	160	200	250
	500V	160	200	250
	690V	160	200	250
AC-23A	400/415V	160	200	250
	500V	160	200	250
	690V	160	200	250
	1000V	-	-	135
Rated operational power for 3-phase (1500 r.p.m.) squirrel cage induction motors (kW)				
AC-23	400/415V	90	110	132
	500V	110	132	160
	690V	132	160	250
Rated fused short circuit current				
Back-up fuse (A)	250	250	250	
R.M.S. value, I_s (kA)	100***	100***	100***	
Peak value (kA)	26	26	26	
Impulse withstand voltage, U_{imp} (kV)	12	12	12	
Rated short circuit making capacity, I_{cm} (kA)				
	690V	14	14	14
Rated short time withstand current (1 s), I_{cw} (kA)				
	690V	8***	8***	8***
Rated breaking capacity, I_{cn} (A)				
AC-23	400/415V	1280	1600	2000
	500V	1280	1600	2000
	690V	1280	1600	2000
Electrical endurance (number of operations)	2000	2000	2000	
Mechanical endurance (number of operations)	16000	16000	16000	
Terminals / Bolt size Cu (mm ²)	M8	M8	M8	
Max terminal torque (Nm)	15-22	15-22	15-22	
*** 1000V				
**** 50kA with 315A fuse				

6 AND 8-POLE CONFIGURATIONS

- 6 and 8 -pole configurations are factory assembled and cannot be self-assembled. 6 and 8 -pole configurations are always supplied with an external handle and a shaft.

CONNECTORS

Type	EAN	E-NO
KKL2x50	6419410378588	1942088
KKL1x95	6419410200230	1942129
KKL1x150	6419410378618	1942091
KKL2x150VM	6419410484302	1942111
KKL2x150VB	6419410484319	1942112
KLH2x150	6419410358580	1942117



KATKO ConnectSafe Catalogue.
www.katko.com/downloads