

LOAD BREAK SWITCHES 315-400 A 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 (LS800F & LS800H) and phase barriers (VS800)
- Available with direct handle (Operation = Direct handle); or handle (LKX 150) and shaft (LVK=228, 228mm shaft) (Operation = Rotary)
- Available with yellow/red handle (LKX 150 Y/R) and different length shaft when ordered separately



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 3315	6419410300152	3602923	315	315	2,05	External handle	Load Break Switch	3
KU 3400	6419410300169	3602924	400	355	2,05	External handle	Load Break Switch	3
KU 4315	6419410300176	3602925	315	315	2,49	External handle	Load Break Switch	4
KU 4400	6419410300183	3602926	400	355	2,49	External handle	Load Break Switch	4
KU 6315	6419410300190	3602927	315	315	4,884	External handle	Load Break Switch	6
KU 6400	6419410300213	3602928	400	355	4,884	External handle	Load Break Switch	6
KU 8315	6419410300220	3602929	315	315	5,782	External handle	Load Break Switch	8
KU 8400	6419410300237	3602930	400	355	5,782	External handle	Load Break Switch	8
Direct handle								
KU 3315 SV	6419410300282	3602935	315	315	2,05	Direct handle	Load Break Switch	3
KU 3400 SV	6419410300299	3602936	400	355	2,05	Direct handle	Load Break Switch	3
KU 4315 SV	6419410300312	3602937	315	315	2,49	Direct handle	Load Break Switch	4
KU 4400 SV	6419410300329	3602938	400	355	2,49	Direct handle	Load Break Switch	4

RELATED ACCESSORIES

Type	Accessory	Description	For	EAN	E-number
LS 400H	Terminal cover	1-pole terminal cover. High model.	Use with vertical (VB & VM) cable connectors	6419410300398	3602945
LS 400F	Terminal cover	1-pole terminal cover. Flush model.	Use with regular cable connectors	6419410300381	3602944
VS 400	Phase Barrier	Phase barrier	For all configurations	6419410300374	3602943
1.V160KU	Auxiliary contact	1NO/1NC	For all configurations	6419410300022	3600819
2.V160KU	Auxiliary contact	2NO/2NC	For all configurations	6419410300114	3600825
LVK=228	Shaft	Length 228 mm, steel	Delivered with external handle	6419410221440	3600348
LKX 150	Handle	Black handle	Delivered as external handle	6419410483572	3602851
LKX 150 Y/R	Handle	Yellow/red handle	Option as external handle	6419410483602	3602853



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

315 - 400 A, Al cable	TOP			BOTTOM		
Terminal position	1L1	3L2	5L3	2T1	4T2	6T3
2.5 - 50 mm²						
Connector	KKL2x50	KKL2x50	KKL2x50	KKL2x50	KKL2x50	KKL2x50
Terminal cover	LS400F	LS400F	LS400F	LS400F	LS400F	LS400F
70 - 95 mm²						
Connector	KKL1x95	KKL1x95	KKL1x95	KKL1x95	KKL1x95	KKL1x95
Terminal cover	LS400F	LS400F	LS400F	LS400F	LS400F	LS400F
120 - 150 mm²						
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	LS400F	LS400F	LS400F	LS400F	LS400F	LS400F
Terminal cover for option 2 & 3	LS400H	LS400H	LS400H	LS400H	LS400H	LS400H
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

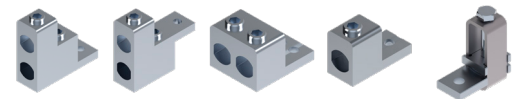
LOAD BREAK SWITCHES	KU ROTARY LBS		
	315A	400A	
Rated insulation voltage, U_i (V)	1000	1000	
Rated thermal current, I_{th} (A)	315	400	
Nominal values with cable size (mm ²)	185	240	
Rated operational current, I_n (A)			
AC-21A	400/415V	315	400
	500V	315	400
	690V	315	400
AC-22A	400/415V	315	400
	500V	315	400
	690V	315	400
AC-23A	400/415V	315	400
	500V	315	400
	690V	315	400
	1000V	-	200
Rated operational power for 3-phase (1500 r.p.m.) squirrel cage induction motors (kW)			
AC-23	400/415V	160	200
	500V	200	250
	690V	315	355
Rated fused short circuit current			
Back-up fuse (A)	400	400	
R.M.S. value, I_k (kA)	100	100	
Peak value (kA)	42	42	
Impulse withstand voltage, U_{imp} (kV)	12	12	
Rated short circuit making capacity, I_{cm} (kA)			
	690V	27,5	27,5
Rated short time withstand current (1 s), I_{cw} (kA)			
	690V	13.5...	13.5...
Rated breaking capacity, I_{bn} (A)			
AC-23	400/415V	2520	3200
	500V	2520	3200
	690V	2520	3200
Electrical endurance (number of operations)	2000	2000	
Mechanical endurance (number of operations)	10000	10000	
Terminals / Bolt size Cu (mm ²)	M10	M10	
Max terminal torque (Nm)	30-44	30-44	
*** 1000V			

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