Certificate No: LR2441897TA
Issue Date: 25/04/2024
Expiry Date: 24/04/2029

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer Katko Oy

Address Ruosilantie 2, Helsinki, 00390, Finland

Type Switches - Ac

Description Switch disconnector 2, 3 and 4 poles

Types
KU 216/225/240 -N, 2 pole
KU 316/325/340/363/380 -N, 3 pole
KU 416/425/440/463/480 -N, 4 pole
KU/LSF/RT 316/325/340 3 pole
KU/LSF/RT 416/425/440 4 pole
KU 3100/ 3125/ 3160, 3 pole
KU 4100/ 4125/ 4160, 4 pole
KU 3160PW/3200W/3250W 3 pole
KU 4160PW/4200W/4250W 4 pole
KU 3315/3400 3 pole
KU 4315/4400 4 pole
KU 3630/3800 3 pole
KU 4630/4800 3 pole

Trade Name KU / LSF / RT

Application Marine, offshore and industrial applications

Thorsten Wolff
Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Certificate No: LR2441897TA
Issue Date: 25/04/2024
Expiry Date: 24/04/2029

Type Approval Certificate

(non-environmentally tested)

Specified Standard IEC 60947-1:2020
IEC 60947-3:2020

Ratings Refer to the Appendix for further details.

Other Conditions Derating for ambient temperature above 25°C according to manufacturer's derating table.
Back up protection gG fuse type according application.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 19/20032

The Design Appraisal Document HPC1862103-24/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Appendix

RATINGS

Type		Rated current [A]	Operational voltage	Making capacity I_{cm} [kA]	Withstand capacity I_{cw} [kA]	Utilisation category
		at 25° C	[VAC, 50/60 Hz]	for power factor (3)	1s	
2 pole						
KU216	N	16	240 / 415	2.5	1.7	AC-22A AC-23A
		25	415	2.5	1.7	AC-21A
KU225	N	25	240 / 415	2.5	1.7	AC-22A AC-23A
		40	415	2.5	1.7	AC-21A
KU240	N	40	240 / 415	2.5	1.7	AC-22A AC-23A
		66	415	2.5	1.7	AC-21A
3 pole / 4 pole						
KU316 KU416	N	16	415 / 690	2.5	1.7	AC-22A AC-23A
		25	690	2.5	1.7	AC-21A
KU325 KU425	N	25	415 / 690	2.5	1.7	AC-22A AC-23A
		40	690	2.5	1.7	AC-21A
KU340 KU440	N	40	415	2.5	1.7	AC-22A AC-23A
		63	690	2.5	1.7	AC-21A

KU/LSF/RT316 KU/LSF/RT416	16	415 / 690	1	0.7	AC-22A AC-23A
	25	690	1	0.7	AC-21A
KU/LSF/RT325 KU/LSF/RT425	25	415 / 690	1	0.7	AC-22A AC-23A
	40	690	1	0.7	AC-21A
KU/LSF/RT340 KU/LSF/RT440	40 25 40	690 690 415	1	0.7	AC-22A AC-23A AC-23A
	40	690	1	0.7	AC-21A

Type		Rated current [A]	Operational voltage	Making capacity I_{cm} [kA]	Withstand capacity I_{cw} [kA]	Utilisation category
		at 25° C	[VAC, 50/60 Hz]	for power factor (3)	1s	
3 pole / 4 pole						
KU363 KU463	N	40	415 / 690	3.1	2.0	AC-23A
		63	690			AC-22A
		80	690			AC-21A
KU380 KU480	N	40	690	3.1	2.0	AC-23A
		63	415			
		80	690			AC-22A
		100	690			AC-21A
KU3100 KU4100		63	690	8.0	5.0	AC-23A
		100	415			
		100	690			AC-22A
		125	690			AC-21A
KU3125 KU4125		80	690	8.0	5.0	AC-23A
		125	415			
		125	690			AC-22A
		160	690			AC-21A
KU3160 KU4160		100	690	8.0	5.0	AC-23A
		160	415			
		160	690			AC-22A
		160	690			AC-21A

Type	Rated current [A]	Operational voltage	Making capacity I_{cm} [kA]	Withstand capacity I_{cw} [kA]	Utilisation category
	at 25° C	[VAC, 50/60 Hz]	for power factor (3)	1s	
3 pole / 4 pole					
KU3160PW KU4160PW	160	690	14	8	AC-23A
KU3200W KU4200W	200	690	14	8	AC-23A
KU3250W KU4250W	200	690	14	8	AC-23A
KU3315 KU4315	315	690	27.5	13.5	AC-23A
KU3400 KU4400	400	690	27.5	13.5	AC-23A
KU3630 KU4630	800	690	60	28	AC-23A
KU3800 KU4800	800	690	60	28	AC-23A

(3) power factor for AC-21 = 0.9, AC-22 = 0.6, AC-23 = 0.3