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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

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(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.

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Appendix

RATINGS

Туре		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	N	25	415 / 690	2.5	1.7	AC-22A AC-23A	
KU425		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		415 / 690	1	0.7	AC-22A AC-23A	
KU/LSF/RT4	116	25	690	1	0.7	AC-21A	
	KU/LSF/RT325		415 / 690	1	0.7	AC-22A AC-23A	
KU/LSF/RT425		40	690	1	0.7	AC-21A	
		40	690		-	AC-22A	
KU/LSF/RT3	KU/LSF/RT340		690	1	0.7	AC-23A	
KU/LSF/RT440		25 40	415			AC-23A	
		40	690	1	0.7	AC-21A	



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Туре		Rated current [A]	Operational voltage	Making capacity	Withstand capacity I _{cw} [kA]	Utilisation category	
		at 25° C	[VAC, 50/60 Hz]	for power factor ⁽³⁾	1s		
3 pole / 4 pole							
KIISES		40	415 / 690	3.1	2.0	AC-23A	
KU363 KU463	N	63	690			AC-22A	
KU403		80	690			AC-21A	
		40	690	3.1	2.0	AC-23A	
KU380	N	63	415			AC-25A	
KU480	IN	IN	80	690	3.1	2.0	AC-22A
		100	690			AC-21A	
		63	690	8.0	5.0	AC-23A	
KU3100		100	415			AC-25A	
KU4100	(U4100	100	690			AC-22A	
		125	690			AC-21A	
		80	690	8.0	5.0	AC-23A	
KU3125		125	415			AC-23A	
KU4125	4125	125	690			AC-22A	
		160	690			AC-21A	
		100	690	8.0	5.0	AC-23A	
KU3160		160	415			AC-23A	
KU4160		160	690			AC-22A	
		160	690			AC-21A	



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Туре	Rated current [A]	Operational voltage	Making capacity	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