



Lloyd's
Register

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.

This certificate is issued to:

PRODUCER	KATKO Oy P.O. Box 12 Karhunkierros 6 FIN-01641 Vantaa Finland
DESCRIPTION	Switch disconnecter 2, 3 and 4 poles
TYPE	KU 316/325/340/363/380 -N, 3 pole KU 416/425/440/463/480 -N, 4 pole KU 3100/ 3125/ 3160, 3 pole KU 4100/ 4125/ 4160, 4 pole
APPLICATION	Marine, offshore and industrial applications (non-environmentally tested)
STANDARD	IEC 60947-3:2008 + A1:2012 ⁽¹⁾ IEC 60947-3:2008 + A1:2012 + A2:2015 ⁽²⁾ ⁽¹⁾ for KU 316/325/340/363/380 -N, 3 pole and KU 416/425/440/463/480 -N, 4 pole ⁽²⁾ for KU 3100/ 3125/ 3160, 3 pole and KU 4100/ 4125/ 4160, 4 pole

Certificate No.	19/20032
Issue Date	25 April 2019
Expiry Date	24 April 2024

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Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS



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Hamburg Technical Support Office
Lloyd's Register EMEA

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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-22 AC 23
		25	415	2.5	1.7	AC-21
KU225	N	25	240 / 415	2.5	1.7	AC-22 AC 23
		40	415	2.5	1.7	AC-21
KU240	N	40	240 / 415	2.5	1.7	AC-22 AC 23
		66	415	2.5	1.7	AC-21
3 pole / 4 pole						
KU316 KU416	N	16	415 / 690	2.5	1.7	AC-22 AC 23
		25	690	2.5	1.7	AC-21
KU325 KU425	N	25	415 / 690	2.5	1.7	AC-22 AC 23
		40	690	2.5	1.7	AC-21
KU340 KU440	N	40	415 / 690	2.5	1.7	AC-22 AC 23
		63	690	2.5	1.7	AC-21

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RATINGS continued

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-23
		63	690			AC 22
		80	690			AC-21
KU380 KU480	N	40	690	3.1	2.0	AC-23
		63	415			AC 22
		80	690			AC-21
KU3100 KU4100		63	690	8.0	5.0	AC-23
		100	415			AC 22
		125	690			AC-21
KU3125 KU4125		80	690	8.0	5.0	AC-23
		125	415			AC 22
		160	690			AC-21
KU3160 KU4160		100	690	8.0	5.0	AC-23
		160	415			AC 22
		160	690			AC-21

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

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

PLACE OF PRODUCTION KATKO Oy
Karhunkierros 6
01641 Vantaa
Finland

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 38137-19 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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