



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** Siemens AG  
Low Voltage  
Siemensstr. 10  
93055 Regensburg,  
Germany

**DESCRIPTION** Low Voltage Power Circuit Breakers

**TYPE** 3WL 1①②-③④⑤-⑥-⑦

①	Frame Size	1, 2, 3		
②	Max. circuit breaker rated current $I_{nmax}$ (A)	Size I	Size II	Size III
		06 = 630	08 = 800	40 = 4000
		08 = 800	10 = 1000	50 = 5000
		10 = 1000	12 = 1250	63 = 6300
		12 = 1250	16 = 1600	
		16 = 1600	20 = 2000	
		20 = 2000	25 = 2500	
			32 = 3200	
			40 = 4000	

**Certificate No.** 02/20019 (E6)  
**Issue Date** 03 April 2018  
**Expiry Date** 21 November 2022  
**Sheet** 1 of 3

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LR031.1.2013.12

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**TYPE continued**

③	Make-break capacity class	2 = normal (ECO ) switching capacity (for frame size 1, 2) 3 = medium switching capacity (for frame size 1, 2) 4 = high switching capacity (for frame size 1,2,3) 5 = very high switching capacity (frame size 2, 3) 8 = DC-disconnector (frame size 2)
④	Tripping Unit (Overcurrent release)	Different versions with and without earth-fault protection, e.g. AA, AB, EG, CB, NG etc. ( see manufacturer's catalogue Sentron WL )
⑤	No. of poles	3 = 3 - pole 4 = 4 - pole
⑥	Installation type	1 = Fixed-mounted (fm) circuit breaker (cb) with rear vertical main contacts 2 = fm cb with rear horizontal main contacts 3 = fm cb with front access main contacts (single hole top and bottom) 4 = fm cb with front access main contacts (double hole top and bottom) 5 = withdrawable (wd.) cb without guide frame 6 = wd. cb with guide frame with rear horizontal main contacts 7 = wd. cb with guide frame with rear vertical main contacts 8 = wd. cb with guide frame with connection flange
⑦	Order No. supplements	see manufacturer's catalogue Sentron WL

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<b>APPLICATION</b>	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 1996.
<b>STANDARD</b>	IEC 60947-1:2007 + AMD1:2010 + AMD2:2014 IEC 60947-2:2016
<b>OTHER CONDITIONS</b>	Rated currents $I_n$ at 40°C are identical to rated currents at 55°C except for type 3WL1240 and 3WL1363. Permissible loads for temperatures up to 70°C see manufacturer's catalogue.
<b>PLACE OF PRODUCTION</b>	OEZ s.r.o Sedivska 339 561 51 Letohrad Czech Republic

*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 36747-18 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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<b>Sheet</b>	3 of 3



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