

# EU Declaration of Conformity

Issued by  
ERICO International Corporation,  
declare at our sole responsibility, that these devices are designed and constructed according  
to the Essential Health & Safety requirements of the relevant European directives.

**Equipment Description:** Surge Reduction Filters

**Product Name:** SRF N-Series, models SRF163N, SRF1125N, SRF363N, SRF3125N,  
SRF3250N, SRF3500N, and SRF3800N, with or without suffix "BP"

**Business Trade Mark/Brand Name:** ERICO CRITEC

**Applicable Directives:** 2014/35/EU Low Voltage Directive  
Laws for electrical equipment within certain voltage limits

**Applicable Standards:** EN 61643-11:2012 Low-voltage Surge Protective Devices - Part 11:  
Surge Protective Devices Connected to Low-voltage Power Systems -  
Requirements and Test Methods (IEC 61643-11:2011, Modified)

IEC 61643-11:2011 Low-voltage surge protective devices - Part 11:  
Surge protective devices connected to low-voltage power systems -  
Requirements and test methods

**Test Reports:** As listed on subsequent sheet of this Declaration

Authorized by:



**Ward Judson**

Engineering Manager, Labs & Product Certifications

**Date**

5/7/19

Test sequence	Test description	Subclause requirement/ test	Test Report File Name	Test Result
1	Terminals and connections	7.3.2/7.3.3/8.4.2	Test Report - Section 8.4.2 [Terminals].pdf	PASS
	Operating duty test	8.3.4.3 Class I	Test Report - Section 8.3.4 [ODT Class I].pdf	PASS
	Additional duty test for test class I	8.3.4.4 (Class I)	Test Report - Section 8.3.4 [ODT Class I].pdf	PASS
	Operating duty test	8.3.4.3 Class II	Test Report - Section 8.3.4 [ODT Class II].pdf	PASS
	Thermal stability	7.2.5.2 / 8.3.5.2	Test Report - Section 8.3.5.2 [Thermal Stability].pdf	PASS
	Air clearances and creepage distances	7.3.4 / 8.4.3	Test Report - Section 8.4.3 [Creepages and Clearances].pdf	PASS
2	Residual voltage	8.3.3.1	Test Report - Section 8.3.3.1 [Residual Voltage - Pre-test A].pdf	NOTED
	Residual voltage	8.3.3.1	Test Report - Section 8.3.3.1 [Residual Voltage - Pre-test B].pdf	NOTED
	Residual voltage	8.3.3.1	Test Report - Section 8.3.3 [MLV] SRF163N.pdf	PASS
			Test Report - Section 8.3.3 [MLV] SRF1125N.pdf	
Test Report - Section 8.3.3 [MLV] SRF363N.pdf				
Test Report - Section 8.3.3 [MLV] SRF3125N.pdf				
Test Report - Section 8.3.3 [MLV] SRF3250N.pdf				
Test Report - Section 8.3.3 [MLV] SRF3500N.pdf				
Test Report - Section 8.3.3 [MLV] SRF3800N.pdf				
Front of wave sparkover voltage	8.3.3.2	Test Report - Section 8.3.3.2 [FOW Sparkover Voltage].pdf	NOTED	
X	du/dt Testing	8.7.4	Test Report - Section 8.7.4 [dudt] SRF163N.pdf	PASS
			Test Report - Section 8.7.4 [dudt] SRF1125N.pdf	
			Test Report - Section 8.7.4 [dudt] SRF363N.pdf	
			Test Report - Section 8.7.4 [dudt] SRF3125N.pdf	
			Test Report - Section 8.7.4 [dudt] SRF3250N.pdf	
			Test Report - Section 8.7.4 [dudt] SRF3500N.pdf	
Test Report - Section 8.7.4 [dudt] SRF3800N.pdf				
2b	Load side short-circuit current behaviour	7.5.1.3 / 8.6.1.3(b)	19302004_001	PASS
			19302004_002	
			19302004_003	
			19302004_004	
			19302004_005	
3	Dielectric withstand	7.2.7 / 8.3.7	Test Report - Section 8.3.7 [Dielectric Withstand and Isolation].pdf	PASS
	Isolation between separate circuits	7.5.3/ 8.3.6 / 8.3.7	Test Report - Section 8.3.7 [Dielectric Withstand and Isolation].pdf	PASS
3a	Temperature withstand	7.2.5 / 8.3.5.1(b)	Test Report - Section 8.3.5.1 [Temp Withstand].pdf	PASS
	Voltage drop	7.6.2.1 / 8.7.2	Test Report - Section 8.7.2 [Voltage Drop].pdf	PASS
3b	Rated Load Current	7.5.1.1 / 8.6.1.1	19302004_001	PASS
			19302004_002	
			19302004_003	
			19302004_004	
			19302004_005	
Test Report - Section 8.6.1.1 [SRF163N].pdf				
Test Report - Section 8.6.1.1 [SRF1125N].pdf				
Overload behaviour	7.5.1.2 / 8.6.1.2(b)	19302004_001	PASS	
				19302004_002
				19302004_003
				19302004_004
				19302004_005
Test Report - Section 8.6.1.2 [SRF163N].pdf				
Test Report - Section 8.6.1.2 [SRF1125N].pdf				
4	TOVs caused by faults or disturbances in the low voltage system	7.2.8.1/8.3.8.1(b)	Test Report - Section 8.3.8 [TOV].pdf	PASS
	TOVs caused by faults or disturbances in the high (medium) voltage system	7.2.8.2/8.3.8.2(b)	Test Report - Section 8.3.8 [TOV].pdf	PASS
5	Short-circuit current behaviour	8.3.5.3 a)	Test Report - Section 8.3.5.3 a) [TSG Path].pdf	PASS
		8.3.5.3 b)	Test Report - Section 8.3.5.3 b) [SRFSU Path].pdf	
	Short-circuit current behaviour	8.3.5.3 a)	Test Report - Section 8.3.5.3 a) [TSG Path].pdf	PASS
		8.3.5.3 b)	Test Report - Section 8.3.5.3 b) [SRFSU Path].pdf	
Short-circuit current behaviour	8.3.5.3.2	Test Report - Section 8.3.5.3.2 [SSC Failure Mode Sim].pdf	PASS	

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