

2838571

https://www.phoenixcontact.com/us/products/2838571

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



LSA-PLUS plug (COMTRAB CTM) for 2-conductor signal circuits grounded on one side. Nominal voltage: 5 V DC

Your advantages

- · Space-saving due to compact design
- · Flexible fields of application with modular protective plug
- · Can be used in LSA-PLUS disconnect and control strips or CT-TERMIBLOCK via adapted connection technology

Commercial data

Item number	2838571
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL03
Product key	CL3211
Catalog page	Page 102 (C-6-2013)
GTIN	4017918819590
Weight per piece (including packing)	10.372 g
Weight per piece (excluding packing)	10.372 g
Customs tariff number	85363010
Country of origin	DE



https://www.phoenixcontact.com/us/products/2838571



Technical data

Product properties

IEC test classification	B2
	C1
	C2
	C3
	D1
VDE requirement class	B2
	C1
	C2
	C3
	D1
Туре	LSA-PLUS module
Product type	Surge protection for MCR technology
Product family	COMTRAB
Surge protection fault message	none
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.10
nsulation characteristics	
Overvoltage category	II II

Overvoltage category	II
Pollution degree	2

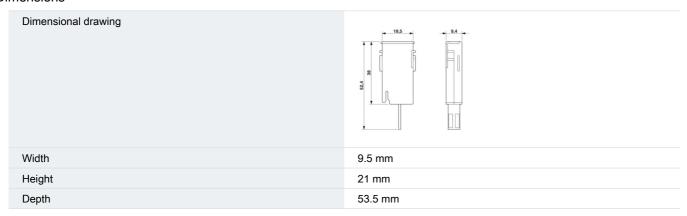
Electrical properties

Nominal voltage LL. 5 V DC		
	Nominal voltage U _N	5 V DC

Connection data

Connection method	can be plugged into COMTRAB-TERMIBLOCK and LSA-PLUS
	disconnect and switching strips

Dimensions



Material specifications

Color black (RAL 9005)



https://www.phoenixcontact.com/us/products/2838571



	Copper
Flammability rating according to UL 94	V0
Housing material	PA

Mechanical properties

Mechanical data

Open side panel	No

Protective circuit

Direction of action	Line-Line & Line-Earth Ground
Maximum continuous voltage U _C	± 6 V DC
	5 V AC
Rated current	380 mA (25 °C)
Operating effective current I_C at U_C	≤ 200 µA
Residual current I _{PE}	≤ 2 µA
Nominal discharge current I $_{\rm n}$ (8/20) μs (line-ground)	5 kA
Pulse discharge current I _{imp} (10/350) µs	1 kA
Total discharge current I _{total} (8/20) µs	10 kA
Total discharge current I _{total} (10/350) μs	2.5 kA
Max. discharge current I_{max} (8/20) µs maximum (line-earth)	10 kA (in total)
Nominal pulse current lan (10/1000) µs (line-earth)	100 A
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 18 V
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 12 V
Residual voltage at I_n (conductor-ground)	≤ 20 V
Residual voltage with Ian (10/1000) µs (line-earth)	≤ 15 V
Voltage protection level U _p (line-earth)	≤ 50 V (C2 - 10 kV/5 kA, spike)
	≤ 20 V (C3 - 7.5 kV / 100 A, spike)
Response time t _A (line-earth)	≤ 1 ns
Input attenuation aE, asym.	0.3 dB (≤ 300 kHz)
Cut-off frequency fg (3 dB), asym. (PE) in 100 Ω system	700 kHz
Capacity (Core-Earth)	$3.5 \text{ nF (f=1 MHz / V}_{R} = 0 \text{ V)}$
Resistance per path	3.3 Ω 10 %
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 4 kV / 2 kA
	C3 - 100 A
	B2 - 4 kV / 100 A
	D1 - 1 kA
Alternating current carrying capacity (line-earth)	5 A - 1 s

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C 75 °C



2838571

https://www.phoenixcontact.com/us/products/2838571

Standards and regulations

VDE requirement class	B2
	C1
	C2
	C3
	D1
Air clearances and creepage distances	
Standards/regulations	DIN VDE 0110-1 / IEC 60664-1
Standards Information technology specification	
Standards/regulations	IEC 61643-21
	IEC 61643-21
Standards/specifications	IEC 61643-21
Note	2000
ounting	
Mounting type	On CT-TERMIBLOCK and LSA-PLUS disconnect strip



2838571

https://www.phoenixcontact.com/us/products/2838571

Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27130807
	ECLASS-13.0	27171501
ET	ТМ	
	ETIM 9.0	EC001625
UN	ISPSC	

39121600



https://www.phoenixcontact.com/us/products/2838571



Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com