

# CT 10-2/2-GS/3E-110AC - Magazine



2920829

<https://www.phoenixcontact.com/us/products/2920829>

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LSA-PLUS coarse protection magazine for 10 double conductors, equipped with 10 three-electrode gas-filled surge arresters.

## 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	2920829
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CL3212
GTIN	4046356181822
Weight per piece (including packing)	81.51 g
Weight per piece (excluding packing)	73 g
Country of origin	DE

## Technical data

### Product properties

Product type	Surge protection for information technology
Product family	COMTRAB
IEC test classification	C2
	C3
	D1
Type	LSA-PLUS module
Number of positions	20
Surge protection fault message	none
Wire pairs per module	10

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

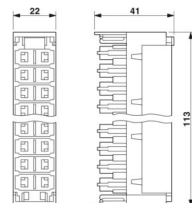
### Electrical properties

Nominal voltage $U_N$	110 V AC
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### Connection data

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

Dimensional drawing	
Width	113.3 mm
Height	22.5 mm
Depth	41.35 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V-0
Housing material	PBT

### Mechanical properties

#### Mechanical data

Open side panel	No
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## Protective circuit

Direction of action	Line-Line & Line-Earth Ground
Nominal voltage $U_N$	110 V AC
Maximum continuous operating voltage $U_C$	60 V DC
	130 V AC
Rated current	1.5 A AC (per path)
	150 mA DC (per path)
Operating effective current $I_C$ at $U_C$	$\leq 1 \mu\text{A}$ (per path)
Protective conductor current $I_{PE}$	$\leq 20 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (line-ground)	5 kA
Pulse discharge current $I_{imp}$ (10/350) $\mu\text{s}$ (line-earth)	2.5 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu\text{s}$ (line-earth)	100 A
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-earth) spike	$\leq 500 \text{ V}$
Response time $t_A$ (line-earth)	$\leq 100 \text{ ns}$
Capacity (Core-Earth)	typ. 5 pF
Resistance per path	$\leq 10 \text{ m}\Omega$
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	C3 - 100 A
	D1 - 2.5 kA
Alternating current carrying capacity (line-earth)	10 A - 1 s

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 75 °C
Altitude	$\leq 2000 \text{ mm}$ (amsl)

## Standards and regulations

### Air clearances and creepage distances

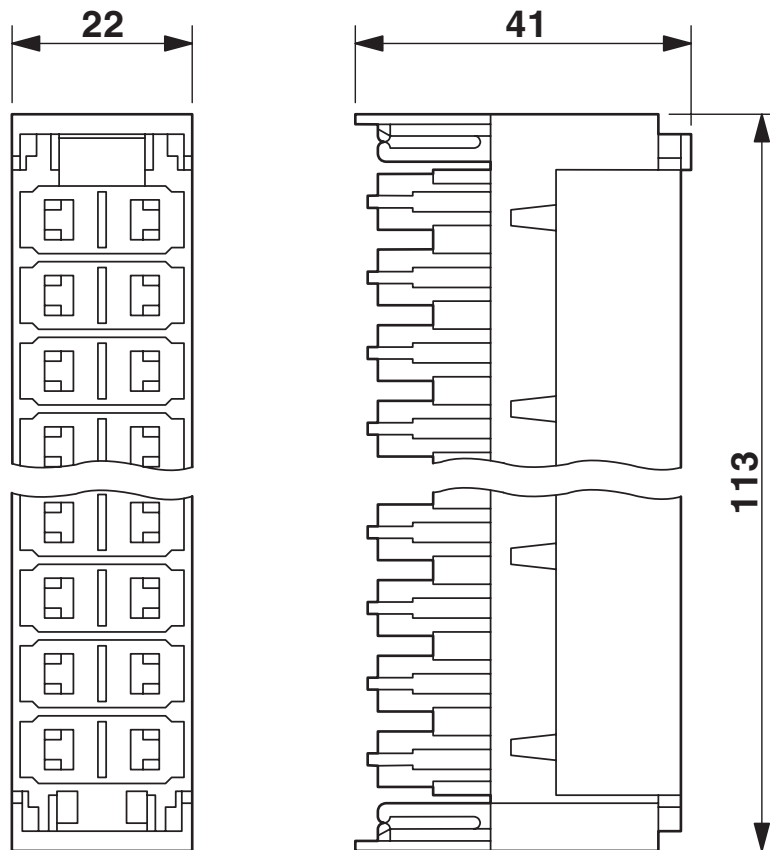
Standards/regulations	VDE 0110-1 / IEC 60664-1
Standards/specifications	IEC 61643-21
Note	2000 + corrigendum 2001 + A1:2008, modified + A2:2012
Standards/specifications	EN 61643-21
Note	2001 + A1:2009 + A2:2013

## Mounting

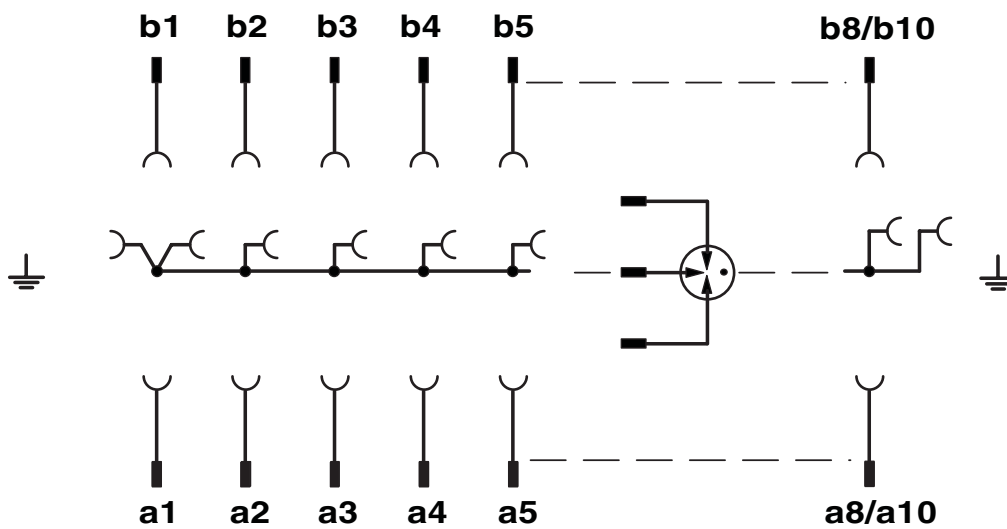
Mounting type	On CT-TERMIBLOCK and LSA-PLUS disconnect strip
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Drawings

Dimensional drawing



Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27171503
ECLASS-15.0	27171503

### ETIM

ETIM 10.0	EC001466
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### UNSPSC

UNSPSC 21.0	39121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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