

Surge Arrester

Low Voltage Surge Arrester LND3



Discharge Current(kA)	Pole No	Type Designation	Article No.
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LND3-B

30	1P	LND3-BS30	D3BS01
30	2P	LND3-BD30	D3BD02
30	3P	LND3-BT30	D3BT03
30	4P	LND3-BF30	D3BF04

with remote control

30	1P	LND3-BS30	D3BS01R
30	2P	LND3-BD30	D3BD02R
30	3P	LND3-BT30	D3BT03R
30	4P	LND3-BF30	D3BF04R

LND3-C

20	1P	LND3-CS20	D3CS01
20	2P	LND3-CD20	D3CD02
20	3P	LND3-CT20	D3CT03
20	4P	LND3-CF20	D3CF04

with remote control

20	1P	LND3-CS20	D3CS01R
20	2P	LND3-CD20	D3CD02R
20	3P	LND3-CT20	D3CT03R
20	4P	LND3-CF20	D3CF04R

LND3-D

10	1P	LND3-DS10	D3DS01
10	2P	LND3-DD10	D3DD02
10	3P	LND3-DT10	D3DT03
10	4P	LND3-DF10	D3DF04

with remote control

10	1P	LND3-DS10	D3DS01R
10	2P	LND3-DD10	D3DD02R
10	3P	LND3-DT10	D3DT03R
10	4P	LND3-DF10	D3DF04R

Low Voltage Surge Arrester LND3

- It is used in preventing the consumers from being damaged by lightning induced over-voltage or operating over-voltage.
- The protection module and the base are designed into removable style, which can guarantee that the damaged ones get changed in time.
- A heat tripping/deterioration device is placed inside the protection module so that the devices inside can separate the protected parts from the power when the protected parts get stricken by over frequency or extreme surge.
- Module design, convenient installation, with easy electric maintains operation.
- Built-in over current and over heat, temperature control open circuit technology.
- Adopt independent intelligence property right and high performance sensitivity resistance plates.
- With remote connection, can realize remote control.
- Indicate alarm display, white(normal),red(malfunction).
- LND3-B30 with B protection grade are installed in the low voltage inlet main switch cabinet of the buildings.
- LND3-C20 with C protection grade are almost applicable for the lightning surge protection of power supply system of building, floors or indoor distribution box, branch cabinet of low voltage switch cabinet.
- LND3-D10 with D protection grade satisfy protection requirement about end of electric equipment.

Electrical

	LND3-B30	LND3-C20	LND3-D10
Rated voltage $U_n(V)$	230/400	230/400	230/400
Maximum continuous operating voltage $U_c(V)$	AC 440V	AC 440V	AC 275V
Voltage protection level $U_p(KV)$	<3.0	<1.8	<1.2
Nominal discharge current(8/20) $I_n(kA)$	30	20	10
Maximum surge current(8/20) $I_{max}(kA)$	65	40	20
Response time $t_A(ns)$	<25	<25	<25
Pole No	1-4P	1-4P	1-4P

Mechanical

	LND3-B30	LND3-C20	LND3-D10
Frame size	40	40	40
Device height	90	90	90
Mounting	Din Rail (35mm)	Din Rail (35mm)	Din Rail (35mm)
Connection	Conductor or Busbar	Conductor or Busbar	Conductor or Busbar
IP Degree	IP20	IP20	IP20
Insulating Case material	PC/PA	PC/PA	PC/PA
Fire-resistance Degree	V0	V0	V0
Working temperature ($^{\circ}C$)	-40~+85	-40~+85	-40~+85
Relative humidity	$\leq 95\%(25^{\circ}C)$	$\leq 95\%(25^{\circ}C)$	$\leq 95\%(25^{\circ}C)$

Dimensions(mm)

LND3-B30/C20/D10

