



Basic circuit diagram

Surge arrester for Ethernet, Twisted Pair, Cat 6 network systems against surges at the boundaries from lightning protection zone 0_B-2 and higher.

Type		D-05/RJ45-CAT6
In accordance with		IEC 61643-21:2005 EN50173 Category 6
Nominal voltage (Vdc)	Un	5
Max. continuous operating voltage (Vdc/ac)	Uc	6/5
C2 Nominal discharge current(8/20)	In	100A
C2 Total nominal Discharge Current (8/20us)		400A
Voltage protection level (V)	@C2 (8/20µs)Up	<30
	@C3 (1KV/µs)Up	<24
Nominal Current (A)	IL	0.5A
Transmission Speed (bps)		1000Mbps
Insertion loss at 250MHz (dB)		≤3.0
Transmission standards		10BaseT/ 100BaseT/1000BaseT /1000BaseTX(CAT6)
Pinning		1/2, 3/6, 4/5, 7/8
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3 (Optional)
Type of Connection IN/OUT		RJ45 Female/ Female
Dimensions (mm)		70 X 25 X 25
Operating temperature range		0°C ~ + 40°C