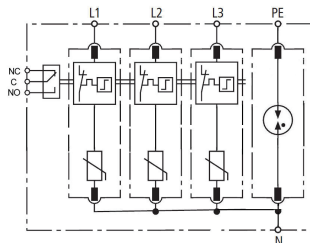
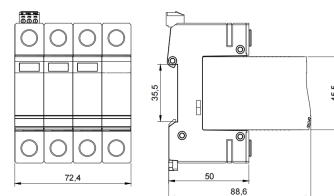




Class II (T2), Four poles Surge Arresters PC100MV-275-R-3PN



Basic circuit diagram



Dimension drawing

- T2 SPD per IEC/EN 61643-11 standard
- Prewired four poles SPD ("3+1" circuit) for use in three phase TN/TT systems
- 18mm narrow model design, pluggable module for easy replacement without the need to remove system wiring.
- Unique thermal disconnecter design provides quick thermal response and secure disconnection
- Surge current capability up to 100kA 8/20 μ s (L-N), 100kA 8/20 μ s (N-PE)
- Low voltage protection level
- High short-circuit current rating up to 50kArms, suitable for application in most AC power systems.
- Degradation failure indication and remote signal contact.
- Wide operating temperature -40°C ~85°C
- 35mm DIN-rail mounting
- Comply with UL1449 5th, IEEE C62.41, CSA C22.2 standards

Part No.		PC100MV-275-R-3PN
In accordance with		IEC/EN 61643-11:2011; UL1449 5th
Category IEC/EU/VDE		II /2/ C
Protection mode		L-N, N-PE
Nominal Voltage (AC) Un		220VAC
Power frequency		50/60Hz
Max. continuous operating voltage(AC) Uc	L-N	275V
	N-PE	255V
Nominal discharge current (8/20) In, per pole	L-N	40kA
	N-PE	40kA
Max. discharge current (8/20) Imax, per pole	L-N	100kA
	N-PE	100kA
Voltage protection level Up	L-N	1.6kV
	N-PE	1.5kV
Response time tA	L-N	≤25ns
	N-PE	≤100ns
Temporary overvoltage TOV UT	L-N	335V/5s
Withstand mode	N-PE	1200V/200ms
Follow current & interrupt rating Ifi		100A
Short-circuit current rating Isscr		50kArms
Backup fuse (only required if not already provided in mains)		≤250A gL/gG
Operating temperature range		-40°C ~ +85°C
Altitude		-500m ~ +4000m
Cross-section of connection wire (max)		Single-strand 35mm2; multi-strand 25mm2
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3
Enclosure material		Thermoplastic; extinguishing degree UL94 V-0
Degree of protection		IP20
Installation width		4 modules, DIN 43880
Thermal disconnector		Internal Green – normal ; red - failure
Remote alarm contact		Yes
Additional data for Remote Alarm Contacts		
Remote alarm contact type		Isolated Form C
Switching capability Un/In		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Cross-section of remote signaling wire		Max. 1.5mm²(or # 16AWG)

note: subject to change without any notice, JDA pay no responsibility