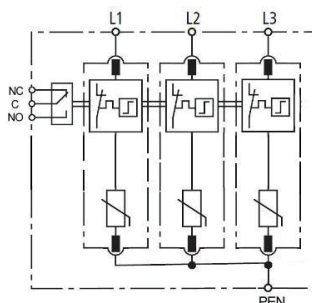
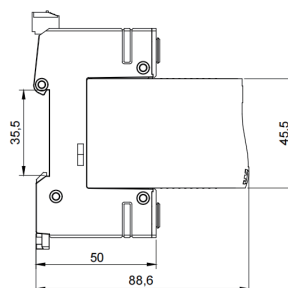




Class II (T2), Three poles Surge Arresters PC40MV/1000-R/3P



Basic circuit diagram



Dimension drawing

- T2 SPD per IEC/EN 61643-11 standard.
- Prewired three poles SPD ("3+0" circuit) for use in three phase IT/TN-C 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 40kA 8/20μs per pole
- 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.	PC40MV/1000-R/3P
In accordance with	IEC/EN 61643-11:2011; UL1449 5th
Category IEC/EU/VDE	I+ II /1+2/ B+C
Protection mode	L-PE
Nominal Voltage (AC) Un	800V, 3 phase 3W
Power frequency	50/60Hz
Max. continuous operating voltage (AC) Uc	1000V
Nominal discharge current (8/20) In, per pole	20kA
Max. discharge current (8/20) Imax, per pole	40kA
Voltage protection level Up	4.0kV (L-PE)
Response time tA	≤25ns
Temporary overvoltage TOV UT Withstand mode	1200V/5s
Temporary overvoltage TOV UT failure mode	1580V/120min
Follow current & interrupt rating Ifi	No
Short-circuit current rating Iscr	50kArms
Backup fuse(only required if not already provided in mains)	≤125A gL/gG
Operating temperature range	-40°C ~ +85°C
Altitude	-500m ~ +4000m
Cross-section of connection wire (max)	Single-strand 35mm ² ; multi-strand 25mm ²
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	3 modules, DIN 43880
Thermal disconnecter	Internal Green – normal ; red - failure
Remote alarm contact	With
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. 1.5mm ² (or # 16AWG)

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