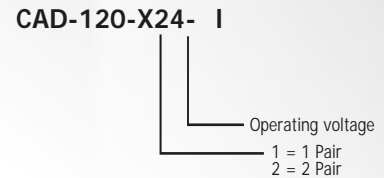


Water/Wastewater Surge Protector

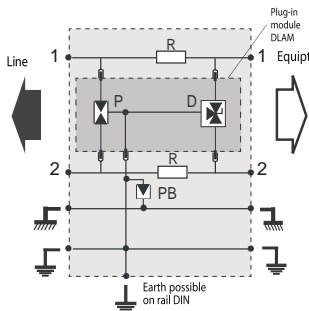
CAD-120-X24-I



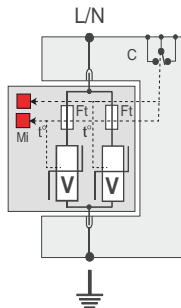
- **AC Power and Dataline Surge Protector**
- **AC I_{max}: 200 kA 8x20 μs**
- **DC I_{max}: 20 kA 8x20 μs**
- **Replaceable modules for fast and easy maintenance**
- **Remote signalization**
- **Visual fault indication**
- **Nema 4X enclosure**
- **UL 1449 3rd Edition Listed**



Dimensions and Diagram



- P : 3-electrode gas tube
 PB : 2-electrode gas tube
 R : Resistance
 D : Clamping diode



- V : High energy varistor
 Ft : Thermal Fuse
 C : Remote signaling contact
 t : Thermal disconnection system
 Mi : Disconnection Indicator



Characteristics

CITEL Characteristics		Dataline
Network Voltage	(Un)	24V
Max. Line voltage	(Uc)	28V
Max. Line current		300mA
Protection Level	(Up)	40V
8/20μs impulse - 5kA		
Nominal discharge current	(In)	10kA
8/20μs impulse - 10 times		
Max. discharge current	(Imax)	20kA
8/20μs impulse - 1 times		
Configuration		1 pair+shield/2 pair+shield
End of Life		Short-circuit
AC Power		
AC Network		120/208V 120/240V
UL Max. Operating Voltage	(MCOV)	150Vac
TOV Withstand	(UT)	150Vac
IEC/UL Nominal Discharge Current	(In)	30/20kA
15 impulses 8/20μs		
IEC/UL Nominal Discharge Current	(Imax)	100kA
1 impulses 8/20μs		
Imax Total	(ITotal)	200kA
UL Voltage Protection Rating	(VPR)	600V
Protection Level at In	(Up)	1.0kV
UL Short-circuit Current Rating	(SCCR)	100kAIC
Leakage Current at MCOV	(Ic)	<1mA
Connection Mode		L-N, L-G, N-G, L-L (where applicable)
Resonse Time		<5 nanoseconds
Overcurrent Protection		Time delay - 125A Max.
Operating Temp		-50 °C to +85 °C