










	Controller test loop (TL1)	SSI Protection 7.5V- Microtrax Input (Loc case)	SSI Protection - 22V	Microlok II (Ansaldo)	Microlok II (Ansaldo)	Westrace II 50V	Microlok II (Ansaldo)	Low voltage DC track circuits	SSI- Microtrax Output trackside
Model	PM100	PM101	PM102	PM200	PM201	PM203	PM204	PM207	PM300
Image									
Description	Test loop interface module monitoring for up to 25 devices.	3-stage barrier-type transient protector, 7.5V, low loop resistance	3-stage barrier-type transient protector, 22V, low loop resistance	Transient protection and low-pass filtering. Protection from surges and high-frequency noise. Loop R=400Ω	Transient protection and low-pass filtering. Protection from surges and high-frequency noise. Loop R=3KΩ	Protection of 50VDC inputs and outputs	Transient protection and low-pass filtering, Includes polyswitches to limit fault currents.	Transient protection prevents 'wrong-side' faults. Applications using standard 4 Ohm or 9 Ohm DC relays.	Provide a high level of protection to track circuit equipment.
Protection method	Monitor	GDT-Mov-Inductors-Tansorbs.	GDT-Mov-Tansorbs.	GDT- MOV-Capacitor- Resistor	GDT- MOV-Capacitor- Resistor	GDT- Resistor - MOV	GDT- MOV-Capacitor- Resistor	GDT- MOV-Inductor	2 x GDT
Design Voltage	120V/240VAC	7.5V	22V	50Vdc	50Vdc	50Vdc	50Vdc	50Vdc	50V
Max Continuous operating voltage	150V/300VAC	9VDC	32V	230VDC	230VDC	100VDC	230VDC	75VDC	75V
Clamping voltage	NA	10V	36V	200VDC	200VDC	130VDC	200VDC	85 ~90VDC	290V +/- 20%
Max Current	NA	1A	5A	100mA	20mA	1600mA	20mA	2.5A	5A
Nominal discharge current (I_n)	NA	10kA	10kA	10kA	10kA	10kA	10kA	10kA	10kA
Max discharge current (I_{max})	NA	20kA	20kA	20kA	20kA	20kA	20kA	20kA	20kA
Remote contacts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Visual indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Approvals/Standards	NA	NA	NA	NA	NA	NA	NA	NA	NA