The Enerdoor surge arrester FINPR series provides advanced surge protection. This device is designed for maximum discharge of 50 kA, meets the UL 1449 3rd edition and IEC61643-11:2011 Standards, and includes a visual and remote contact indicator.

GENERAL CHARACTERISTICS

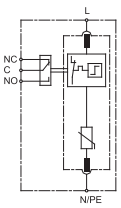
Class category IEC/VDE	II / C
Operating temperature range	-40°C + 80°C
Operating humidity range	0 ~ 90%
Response time	≤25 ns
Backup fuse (only required if not in the main)	125 Amps gL/gG
Enclosure material	Thermoplastic, UL94 V-0
Mounting	35mm DIN rail according to the EN50022/DIN46277-3 Standard
Max size of connecting wire	Single-strand 35mm² (or # 2AWG) Multi-strand 25mm² (or # 4AWG)
Remote alarm contact type	Isolated form C
Switching capability Un/In	AC: 250V/0.5A DC: 250V/0.1A
Max size of connecting wire	Max 1.5mm² (or #16AWG)

FINPR	Nominal Voltage AC	Nominal Discharge (In, KA) 8/20		Max Discharge Current (Imax, KA)		Voltage Protection Rated (kV)					SCCR (kA)	Electrical Diagram	Mechanical Case
		L-N	N-PE	L-N	N-P	@In	@VPR	L-N@MLV	N-PE@MLV	L-N@1.2/50			
PR.150	150	20	20	50	50	<0.8	<0.6	<1.7	-	-	200	1	1
PR.275	275	20	20	50	50	<1.4	<0.9	<2.1	-	-	200	1	1
PR.320	320	20	20	50	50	<1.5	<1.0	<2.2	-	-	200	1	1
PR.420	420	20	20	50	50	<2	<1.5	<2.4	-	-	200	1	1
PR.550	550	20	20	50	50	<2.5	<1.8	<2.5	-	-	200	1	1
PR.690	690	20	20	50	50	<3	<2.8	<3.2	-	-	200	1	1
PR.150-2P	150	20	20	50	50	<0.8	<0.6	<1.7	-	-	200	2	2
PR.275-2P	275	20	20	50	50	<1.4	<0.9	<2.1	-	-	200	2	2
PR.320-2P	320	20	20	50	50	<1.5	<1.0	<2.2	-	-	200	2	2
PR.420-2P	420	20	20	50	50	<2	<1.5	<2.4	-	-	200	2	2
PR.550-2P	550	20	20	50	50	<2.5	<1.8	<2.5	-	-	200	2	2
PR.690-2P	690	20	20	50	50	<3	<2.8	<3.2	-	-	200	2	2
PR.150-3P	150	20	20	50	50	<0.8	<0.6	<1.7	-	-	200	3	3
PR.275-3P	275	20	20	50	50	<1.4	<0.9	<2.1	-	-	200	3	3
PR.320-3P	320	20	20	50	50	<1.5	<1.0	<2.2	-	-	200	3	3
PR.420-3P	420	20	20	50	50	<2	<1.5	<2.4	-	-	200	3	3
PR.550-3P	550	20	20	50	50	<2.5	<1.8	<2.5	-	-	200	3	3
PR.690-3P	690	20	20	50	50	<3	<2.8	<3.2	-	-	200	3	3
PR.150-4P	150	20	20	50	50	<0.8	<0.6	<1.7	-	-	200	4	4
PR.275-4P	275	20	20	50	50	<1.4	<0.9	<2.1	-	-	200	4	4
PR.320-4P	320	20	20	50	50	<1.5	<1.0	<2.2	-	-	200	4	4
PR.420-4P	420	20	20	50	50	<2	<1.5	<2.4	-	-	200	4	4
PR.550-4P	550	20	20	50	50	<2.5	<1.8	<2.5	-	-	200	4	4
PR.690-4P	690	20	20	50	50	<3	<2.8	<3.2	-	-	200	4	4

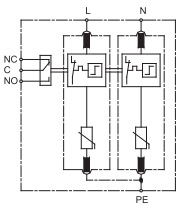
FINPR	Nominal Voltage Vac L-L (L-N)	Nominal Discharge (In, KA) 8/20		Max Discharge Current (Imax, KA)		Voltage Protection Rated (kV)					SCCR (kA)	Electrical Diagram	Mechanical Case
		L-N	N-PE	L-N	N-P	@In	@VPR	L-N@MLV	N-PE@MLV	L-N@1.2/50			
PR.150-PN	208 (150)	20	20	50	50	<0.8	<0.6	<1.7	<1.2	<1.5	200	5	2
PR.275-PN	320 (275)	20	20	50	50	<1.4	<0.9	<2.1	<1.7	<1.5	200	5	2
PR.320-PN	400 (320)	20	20	50	50	<1.5	<1.0	<2.2	<1.7	<1.5	200	5	2
PR.385-PN	480 (385)	20	20	50	50	<2	<1.5	<2.4	<1.7	<1.5	200	5	2
PR.420-PN	600 (420)	20	20	50	50	<2.5	<1.8	<2.5	<1.7	<1.5	200	5	2
PR.150-3PN	208 (150)	20	20	50	50	<0.8	<0.6	<1.7	<1.2	<1.5	200	6	4
PR.275-3PN	320 (275)	20	20	50	50	<1.4	<0.9	<2.1	<1.7	<1.5	200	6	4
PR.320-3PN	400 (320)	20	20	50	50	<1.5	<1.0	<2.2	<1.7	<1.5	200	6	4
PR.385-3PN	480 (385)	20	20	50	50	<2	<1.5	<2.4	<1.7	<1.5	200	6	4
PR.420-3PN	600 (420)	20	20	50	50	<2.5	<1.8	<2.5	<1.7	<1.5	200	6	4

ELECTRICAL DIAGRAM

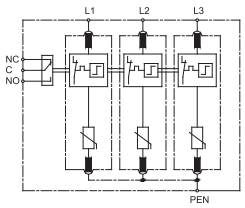
SCHEMATIC 1



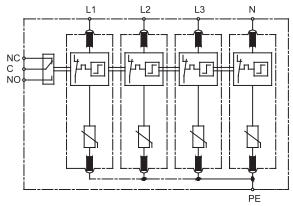
SCHEMATIC 2



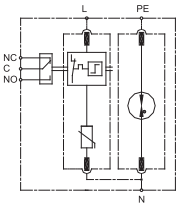
SCHEMATIC 3



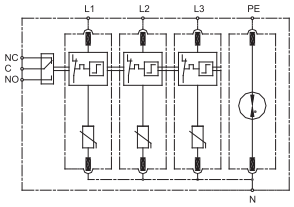
SCHEMATIC 4



SCHEMATIC 5

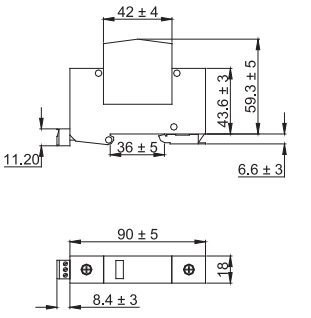


SCHEMATIC 6

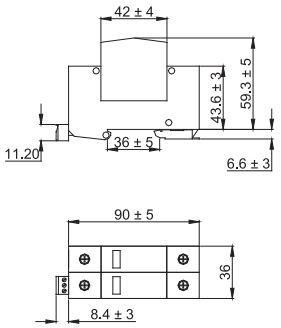


MECHANICAL DIMENSIONS (mm)

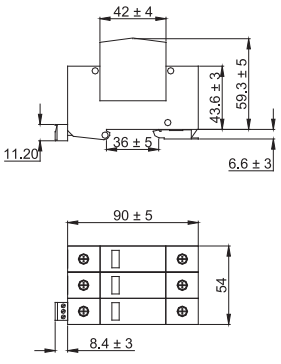
CASE 1



CASE 2



CASE 3



CASE 4