

SURGE ARRESTERS - VARISTOR

PIII is surge arrester type 2 according to EN 61643-11. These arresters are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 1-2 (according to IEC 1312-1 and EN 62305) for equipotential bonding and elimination of transient overvoltage that originate during atmospheric discharges or switching processes. The combination of PIII + B20 is suitable for use in TNS and TT systems.

The main use of PIII arrester is in all kinds of industry, residential and administration buildings. They are to be placed into the secondary switchboards or into the control box.

Single-pole MOV surge arrester



PIII-75

TYPE 2

CLASS II

LPZ 1→2

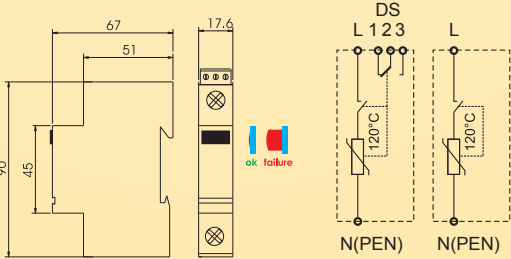
DS

+80°C
-40°C

IP 20

home

industry



Dimensions: 67, 51, 17.6, 90, 45

Wiring: L 1 2 3, L, N(PEN), N(PEN), 120°C

ok failure

Type PIII-75/PIII-75 DS		
Max. continuous operating voltage	U_c	75 V AC
Max. discharge current (8/20)	I_{max}	40 kA
Nominal discharge current (8/20)	I_n	15 kA
Temporary overvoltage (TOV)	U_T	-
Voltage protection level at I_n	U_p	< 400 V
Response time	t_A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	80 g
Short-circuit withstand capability at max.back-up fuse	I_p	60 kA _{rms}
Article number		
PIII-75		24 002
PIII-75 DS		24 021



Single-pole MOV surge arrester



PIII-150

TYPE 2

CLASS II

LPZ 1→2

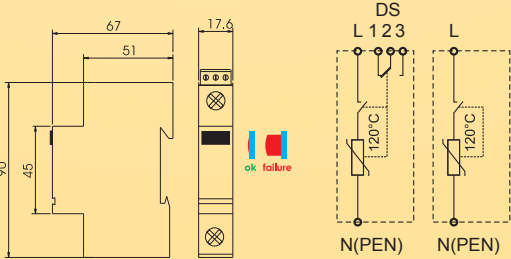
DS

+80°C
-40°C

IP 20

home

industry



Dimensions: 67, 51, 17.6, 90, 45

Wiring: L 1 2 3, L, N(PEN), N(PEN), 120°C

ok failure

Type PIII-150/PIII-150 DS		
Max. continuous operating voltage	U_c	150 V AC
Max. discharge current (8/20)	I_{max}	40 kA
Nominal discharge current (8/20)	I_n	15 kA
Temporary overvoltage (TOV)	U_T	-
Voltage protection level at I_n	U_p	< 850 V
Response time	t_A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	84 g
Short-circuit withstand capability at max.back-up fuse	I_p	60 kA _{rms}
Article number		
PIII-150		24 120
PIII-150 DS		24 121

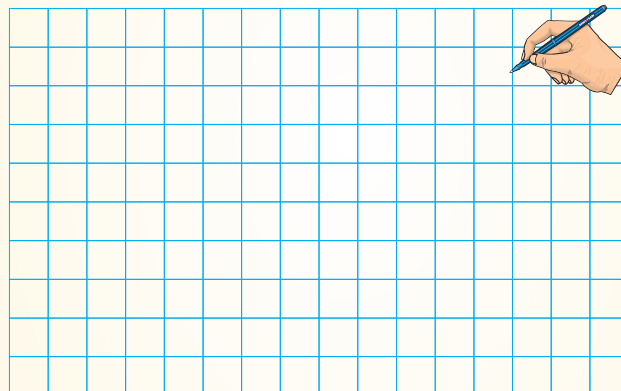




Function of remote monitor terminals

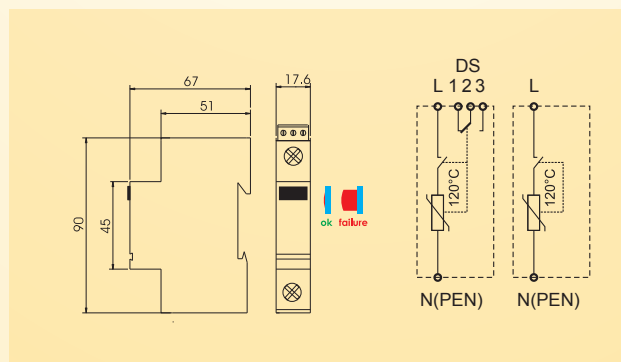
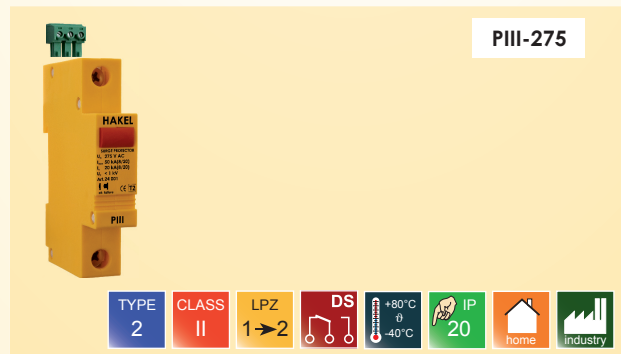
When the PIII DS is operating correctly, the terminations 1-2 are connected to normally closed contacts, 2-3 are normally open. If the internal varistor component is damaged as a result of thermal overloading, terminations 1-2 will then be open and 2-3 closed.

el. strength against surround. circuits	3750 V _{rms}
el. strength against network circuits	3750 V _{rms}
insulation resistance	$2 \times 10^7 \Omega$
max. switching current	~ 0,5 A
max. switching voltage	~ 250 V



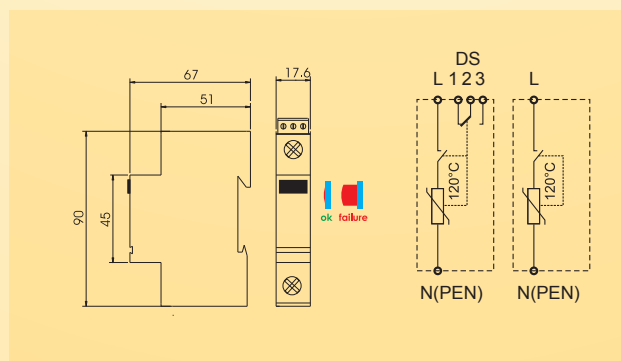
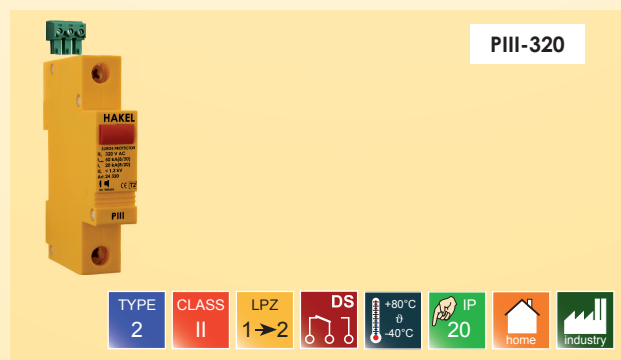
Single-pole MOV surge arrester

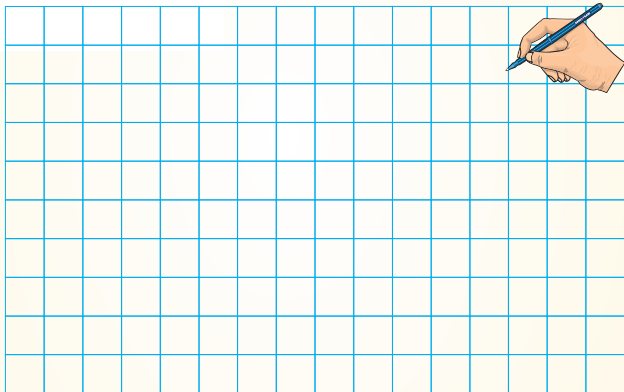
Type PIII-275/PIII-275 DS		
Max. continuous operating voltage	U _c	275 V AC
Max. discharge current (8/20)	I _{max}	50 kA
Nominal discharge current (8/20)	I _n	20 kA
Temporary overvoltage (TOV)	U _T	335 V/5 sec
Voltage protection level at I _n	U _p	<1,3 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	96 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIII-275		24 001
PIII-275 DS		24 020



Single-pole MOV surge arrester

Type PIII-320/PIII-320 DS		
Max. continuous operating voltage	U _c	320 V AC
Max. discharge current (8/20)	I _{max}	50 kA
Nominal discharge current (8/20)	I _n	20 kA
Temporary overvoltage (TOV)	U _T	335 V/5 sec
Voltage protection level at I _n	U _p	<1,3 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	98 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIII-320		24 320
PIII-320 DS		24 321





Single-pole MOV surge arrester



PIII-385

TYPE
2

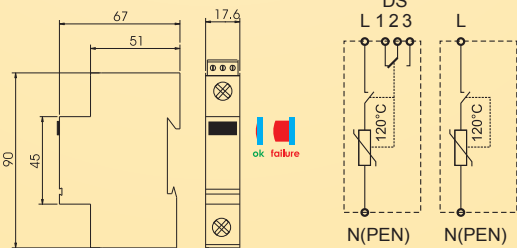
CLASS
II

LPZ
1→2

DS

+80°C
-40°C

IP
20



Single-pole MOV surge arrester



PIII-440

TYPE
2

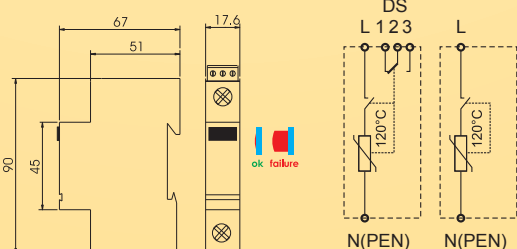
CLASS
II

LPZ
1→2

DS

+80°C
-40°C

IP
20



Type PIII-385/PIII-385 DS		
Max. continuous operating voltage	U_c	385 V AC
Max. discharge current (8/20)	I_{max}	40 kA
Nominal discharge current (8/20)	I_n	15 kA
Temporary overvoltage (TOV)	U_T	560/5 sec
Voltage protection level at I_n	U_p	< 1,5 kV
Response time	t_A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	95 g
Short-circuit withstand capability at max.back-up fuse	I_p	60 kA _{rms}
Article number		
PIII-385		24 322
PIII-385 DS		24 323



Type PIII-440/PIII-440 DS		
Max. continuous operating voltage	U_c	440 V AC
Max. discharge current (8/20)	I_{max}	40 kA
Nominal discharge current (8/20)	I_n	15 kA
Temporary overvoltage (TOV)	U_T	580 V/5 sec
Voltage protection level at I_n	U_p	< 2 kV
Response time	t_A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	103 g
Short-circuit withstand capability at max.back-up fuse	I_p	60 kA _{rms}
Article number		
PIII-440		24 009
PIII-440 DS		24 040

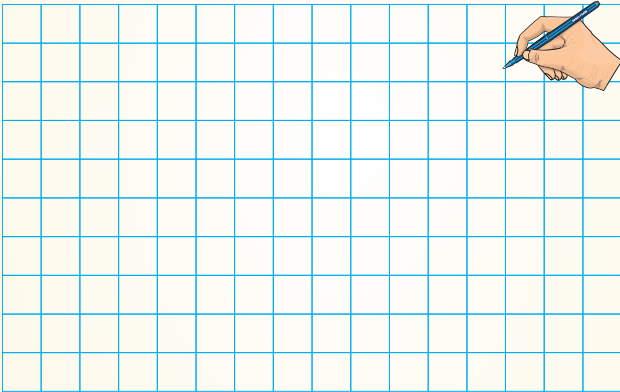




Function of remote monitor terminals

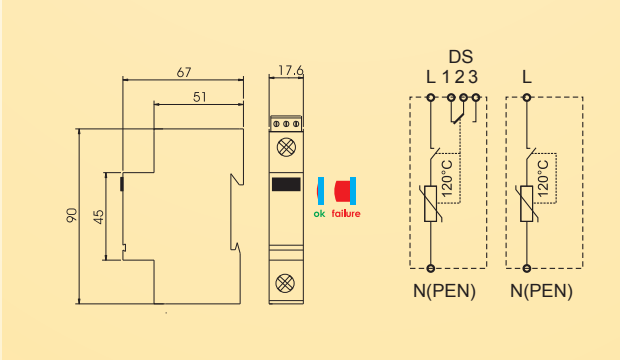
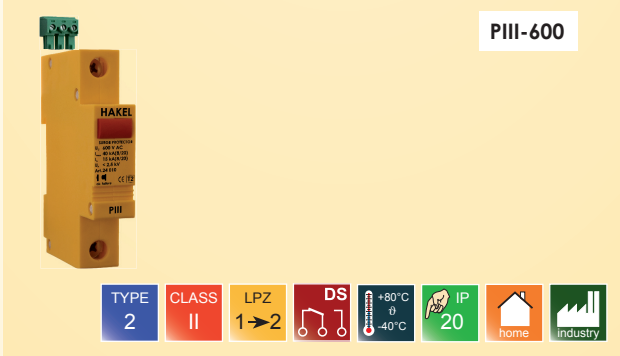
When the PIII DS is operating correctly, the terminations 1-2 are connected to normally closed contacts, 2-3 are normally open. If the internal varistor component is damaged as a result of thermal overloading, terminations 1-2 will then be open and 2-3 closed.

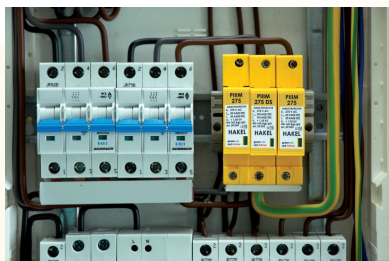
el. strength against surround. circuits	3750 V _{rms}
el. strength against network circuits	3750 V _{rms}
insulation resistance	2 x 10 ⁷ Ω
max. switching current	~ 0,5 A
max. switching voltage	~ 250 V



Single-pole MOV surge arrester

Type PIII-600/PIII-600 DS		
Max. continuous operating voltage	U _c	600 V AC
Max. discharge current (8/20)	I _{max}	40 kA
Nominal discharge current (8/20)	I _n	15 kA
Temporary overvoltage (TOV)	U _T	750 V/5 sec
Voltage protection level at I _n	U _p	< 2,5 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	110 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIII-600		24 010
PIII-600 DS		24 025



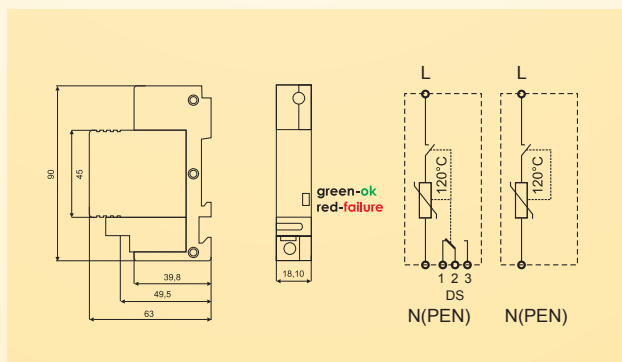
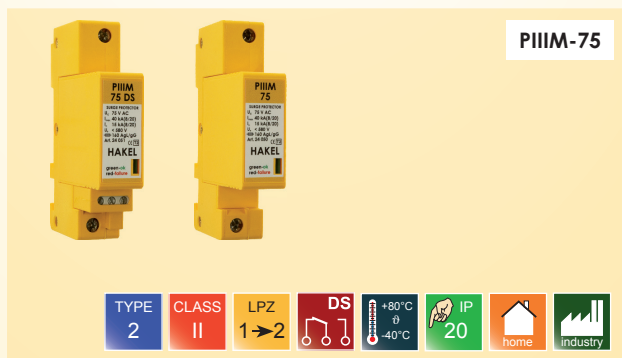


SURGE ARRESTERS - VARISTOR

PIIIM is surge arrester type 2 according to EN 61643-11. Complete device consists of a base part and pluggable module. These arresters are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 1-2 (according to IEC 1312-1 and EN 62305) for equipotential bonding and elimination of transient overvoltage that originate during atmospheric discharges or switching processes. The combination of PIIIM + B20M is suitable for use in TNS and TT systems.

The main use of PIIIM arrester is in all kinds of industry, residential and administration buildings. They are to be placed into the secondary switchboards or into the control box.

Single-pole MOV surge arrester



Type PIIIM-75/PIIIM-75 DS

Max. continuous operating voltage	U_c	75 V AC
Max. discharge current (8/20)	I_{max}	40 kA
Nominal discharge current (8/20)	I_n	15 kA
Temporary overvoltage (TOV)	U_T	-
Voltage protection level at I_n	U_p	< 580 V
Response time	t_A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min. 100 000 h
Weight	m	82 g
Short-circuit withstand capability at max. back-up fuse	I_p	60 kA _{rms}
Article number		
PIIIM-75		24 050
PIIIM-75 DS		24 051



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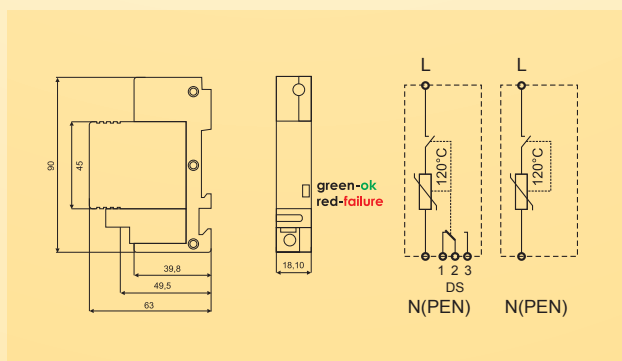
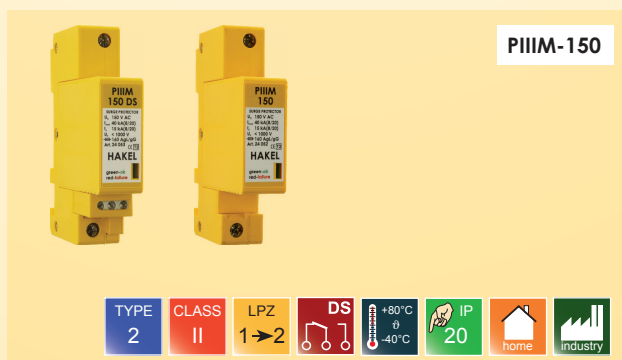
Varistor-based spare module

PIIIM-75/M

Art. No.

24 360

Single-pole MOV surge arrester



Type PIIIM-150/PIIIM-150 DS

Max. continuous operating voltage	U_c	150 V AC
Max. discharge current (8/20)	I_{max}	40 kA
Nominal discharge current (8/20)	I_n	15 kA
Temporary overvoltage (TOV)	U_T	-
Voltage protection level at I_n	U_p	< 1 kV
Response time	t_A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min. 100 000 h
Weight	m	85 g
Short-circuit withstand capability at max. back-up fuse	I_p	60 kA _{rms}
Article number		
PIIIM-150		24 052
PIIIM-150 DS		24 053



M.102



Varistor-based spare module

PIIIM-150/M

Art. No.

24 361



Function of remote monitor terminals

When the PIIM DS is operating correctly, the terminations 1-2 are connected to normally closed contacts, 2-3 are normally open. If the internal varistor component is damaged as a result of thermal overloading, terminations 1-2 will then be open and 2-3 closed.

el. strength against surround. circuits	3750 V _{rms}
el. strength against network circuits	3750 V _{rms}
insulation resistance	$2 \times 10^7 \Omega$
max. switching current	~ 0,5 A
max. switching voltage	~ 250 V

Type PIIM-275/PIIM-275 DS		
Max. continuous operating voltage	U _c	275 V AC
Max. discharge current (8/20)	I _{max}	50 kA
Nominal discharge current (8/20)	I _n	20 kA
Temporary overvoltage (TOV)	U _T	335 V/5 sec
Voltage protection level at I _n	U _p	<1,3 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	90 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIIM-275		24 054
PIIM-275 DS		24 055

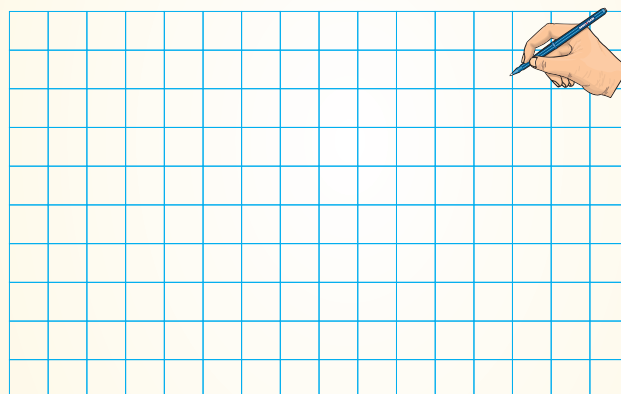


Varistor-based spare module

Art. No.

PIIM-275/M

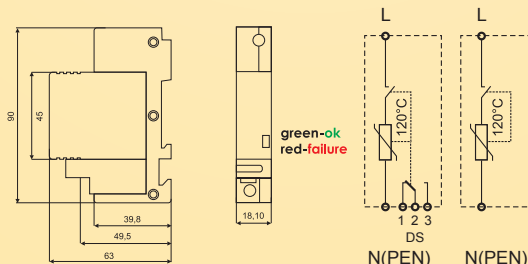
24 362



Single-pole MOV surge arrester



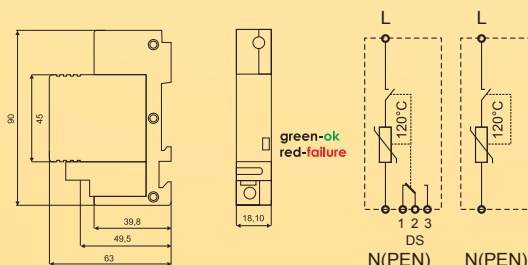
PIIM-275



Single-pole MOV surge arrester



PIIM-320



Type PIIM-320/PIIM-320 DS		
Max. continuous operating voltage	U _c	320 V AC
Max. discharge current (8/20)	I _{max}	50 kA
Nominal discharge current (8/20)	I _n	20 kA
Temporary overvoltage (TOV)	U _T	335 V/5 sec
Voltage protection level at I _n	U _p	<1,45 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	92 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIIM-320		24 056
PIIM-320 DS		24 057

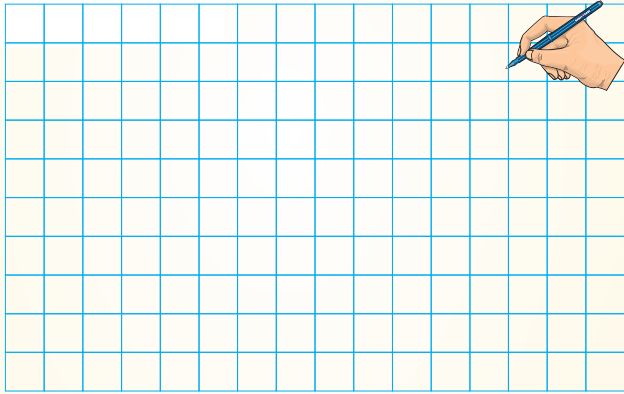


Varistor-based spare module

Art. No.

PIIM-320/M

24 363

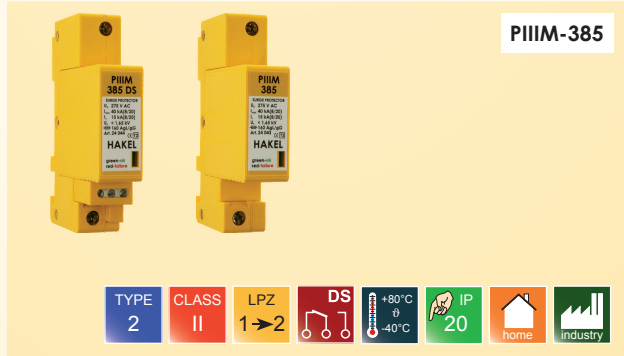


Single-pole MOV surge arrester

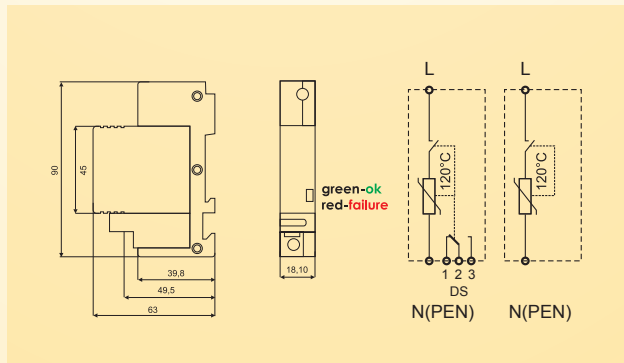
**Function of remote monitor terminals**

When the PIIM DS is operating correctly, the terminations 1-2 are connected to normally closed contacts, 2-3 are normally open. If the internal varistor component is damaged as a result of thermal overloading, terminations 1-2 will then be open and 2-3 closed.

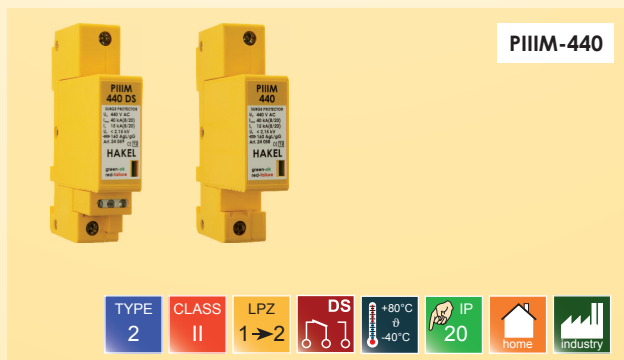
el. strength against surround. circuits	3750 V _{rms}
el. strength against network circuits	3750 V _{rms}
insulation resistance	2 x 10 ⁷ Ω
max. switching current	~ 0,5 A
max. switching voltage	~ 250 V



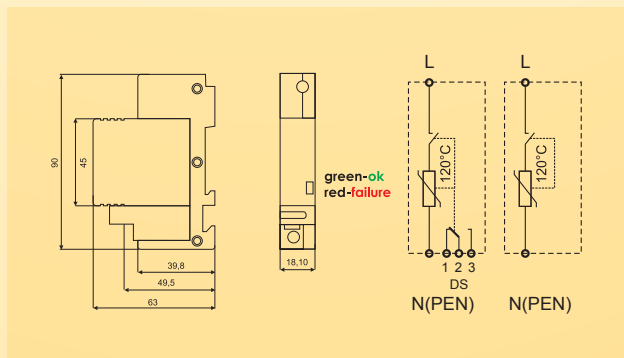
PIIM-385



Single-pole MOV surge arrester



PIIM-440

**Type PIIM-385/PIIM-385 DS**

Max. continuous operating voltage	U _c	385 V AC
Max. discharge current (8/20)	I _{max}	40 kA
Nominal discharge current (8/20)	I _n	15 kA
Temporary overvoltage (TOV)	U _T	560/5 sec
Voltage protection level at I _n	U _p	< 1,65 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	92 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIIM-385		24 043
PIIM-385 DS		24 044

**Varistor-based spare module**

PIIM-385/M

Art. No.

24 364

Type PIIM-440/PIIM-440 DS

Max. continuous operating voltage	U _c	440 V AC
Max. discharge current (8/20)	I _{max}	40 kA
Nominal discharge current (8/20)	I _n	15 kA
Temporary overvoltage (TOV)	U _T	580 V/5 sec
Voltage protection level at I _n	U _p	< 2,15 kV
Response time	t _A	< 25 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	98 g
Short-circuit withstand capability at max.back-up fuse	I _p	60 kA _{rms}
Article number		
PIIM-440		24 058
PIIM-440 DS		24 059

**Varistor-based spare module**

PIIM-440/M

Art. No.

24 365

SURGE ARRESTERS - GAS DISCHARGE TUBE

B20 and B20M are gas discharge tubes type 2 according to EN 61643-11. Indication "M" specifies the pluggable module construction. These arresters are intended for use in TNS and TT systems (3+1 or 1+1) at the boundaries of LPZ 1-2. B20 and B20M are to be installed between N and PE only.

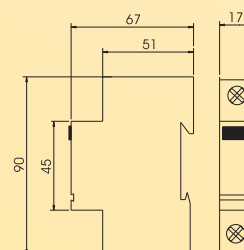


Single-pole GDT surge arrester

Type B20		
Max. continuous operating voltage	U_C	255 V AC
Insulation resistance	R_i	> 1000 M Ω
Lightning impulse current (10/350)	I_{imp}	20 kA
- charge	Q	10 As
- specific energy	W/R	100 kJ/ Ω
Temporary overvoltage (TOV)	U_T	1200 V/200ms
Max. discharge current (8/20)	I_{max}	50 kA
Nominal discharge current (8/20)	I_n	20 kA
Voltage protection level at I_n	U_p	< 1,3 kV
Lightning impulse sparkover voltage 1,2/50 μ s		< 1,5 kV
Follow current interrupting rating at U_C	I_{fi}	100 A _{rms}
Response time	t_A	< 100 ns
Lifetime		min. 100 000 h
Weight	m	78 g
Article number		30 022



B20

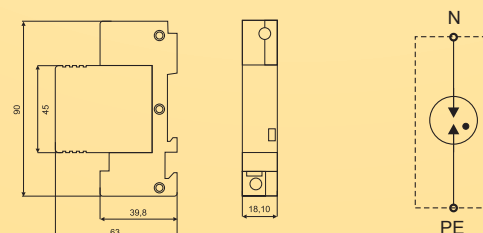


Single-pole GDT surge arrester

Type B20M		
Max. continuous operating voltage	U_C	255 V AC
Insulation resistance	R_i	> 1000 M Ω
Lightning impulse current (10/350)	I_{imp}	20 kA
- charge	Q	10 As
- specific energy	W/R	100 kJ/ Ω
Temporary overvoltage (TOV)	U_T	1200 V/200 ms
Max. discharge current (8/20)	I_{max}	50 kA
Nominal discharge current (8/20)	I_n	20 kA
Voltage protection level at I_n	U_p	< 1,3 kV
Lightning impulse sparkover voltage 1,2/50 μ s		< 1,5 kV
Follow current interrupting rating at U_C	I_{fi}	100 A _{rms}
Response time	t_A	< 100 ns
Lifetime		min. 100 000 h
Weight	m	76 g
Article number		30 122



B20M

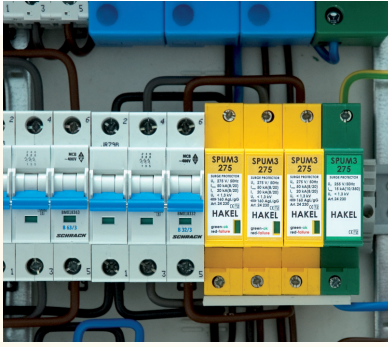


Varistor-based spare module

Art. No.

B20M/M

24 367

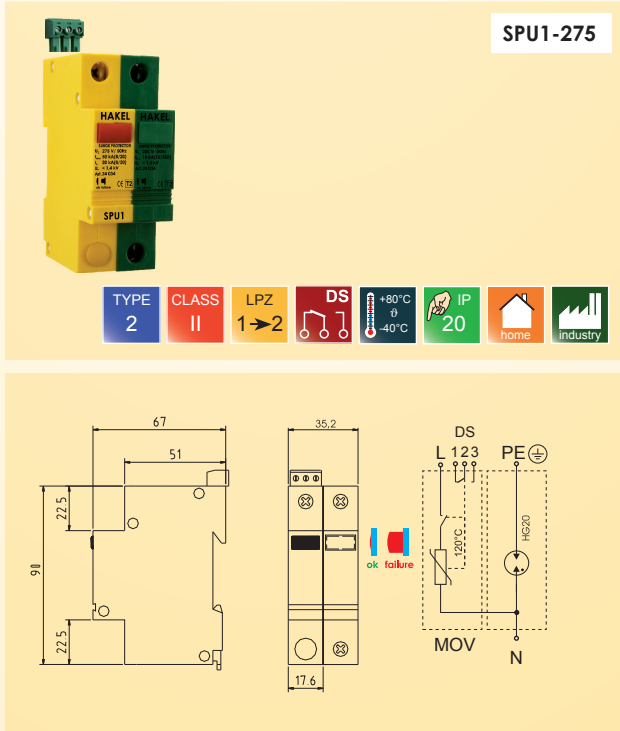


SURGE ARRESTERS - VARISTOR + GDT

SPU is a combination of one-phase or three-phase MOV surge protection and power gas discharge tube connected in 1+1 or 3+1 circuits. SPU is surge arrester type 2 according to EN 61643-11. These arresters are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 1-2 (according to IEC 1312-1 and EN 62305) for equipotential bonding and elimination of transient overvoltage that originate during atmospheric discharges or switching processes. Combined surge arrester SPU is suitable for use in TNS and TT systems.

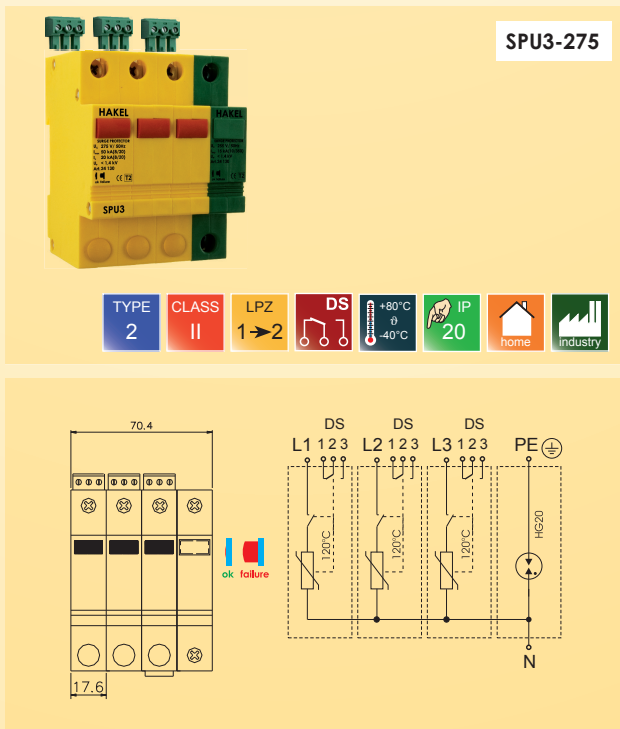
The main use of SPU arrester is in all kinds of industry, residential and administration buildings. They are to be placed into the secondary switchboards or into the control box.

Single-pole MOV + GDT surge arrester



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Single-pole MOV + GDT surge arrester

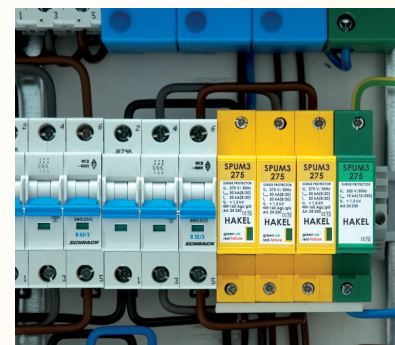


M.102

SURGE ARRESTERS - VARISTOR + GDT

SPUM is a combination of one-phase or three-phase MOV surge protection and power gas discharge tube connected in 1+1 or 3+1 circuits. SPUM is surge arrester type 2 according to EN 61643-11. Complete device consists of a base part and pluggable modules. These arresters are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 1-2 (according to IEC 1312-1 and EN 62305) for equipotential bonding and elimination of transient overvoltage that originate during atmospheric discharges or switching processes. Combined surge arrester SPUM is suitable for use in TNS and TT systems.

The main use of SPUM arrester is in all kinds of industry, residential and administration buildings. They are to be placed into the secondary switchboards or into the control box.



Three-pole MOV + GDT surge arrester

Type SPUM1-275/SPUM1-275 DS		
Max. continuous operating voltage	U_c	275 V AC
Max. discharge current (8/20)	I_{max}	50 kA
Nominal discharge current (8/20)	I_n	20 kA
Temporary overvoltage (TOV) L/N	U_T	335 V/5 sec
Temporary overvoltage (TOV) N/PE	U_T	1200 V/0.2 sec
Voltage protection level at I_n	U_p	<1,3 kV
Follow current interrupting rating at U_c (N/PE)	I_{fi}	100 A _{rms}
Response time L/N	t_A	< 25 ns
Response time N/PE	t_A	< 100 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	167 g
Short-circuit withstand capability at max.back-up fuse	I_p	60 kA _{rms}
Article number		
SPUM1-275		24 333
SPUM1-275 DS		24 233



Varistor-based spare module

SPUM1-275/M

Art. No.

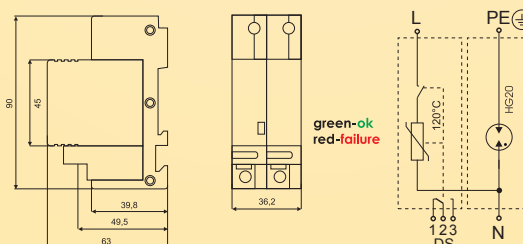
24 368



M.102



SPUM1-275



Three-pole MOV + GDT surge arrester

Type SPUM3-275/SPUM3-275 DS		
Max. continuous operating voltage	U_c	275 V AC
Max. discharge current (8/20)	I_{max}	50 kA
Nominal discharge current (8/20)	I_n	20 kA
Temporary overvoltage (TOV) L/N	U_T	335 V/5 sec
Temporary overvoltage (TOV) N/PE	U_T	1200 V/0.2 sec
Voltage protection level at I_n	U_p	<1,3 kV
Follow current interrupting rating at U_c (N/PE)	I_{fi}	100 A _{rms}
Response time L/N	t_A	< 25 ns
Response time N/PE	t_A	< 100 ns
Max. back-up fuse		160 AgL/gG
Lifetime		min.100 000 h
Weight	m	347 g
Short-circuit withstand capability at max.back-up fuse	I_p	60 kA _{rms}
Article number		
SPUM3-275		24 230
SPUM3-275 DS		24 240



Varistor-based spare module

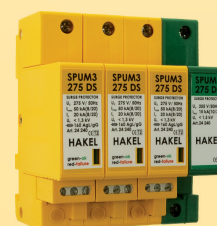
SPUM3-275/M

Art. No.

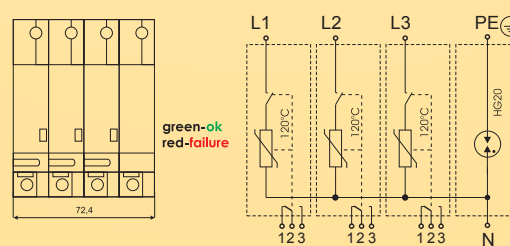
24 369



M.102



SPUM3-275



Application table

Type	Art. No.	Former type	TE	Weight (g)	No. of poles	Circuit	I _{max} (kA)	U _c (V)	Mode of protection
PIII-75	24 002	PIII - 60	1	80	1	1+0	40	75	L/N, L/PEN, L/PE
PIII-75 DS	24 021	PIII - 60 DS	1	86	1	1+0	40	75	L/N, L/PEN, L/PE
PIII-150	24 120	PIII - 120	1	84	1	1+0	40	150	L/N, L/PEN, L/PE
PIII-150 DS	24 121	PIII - 120 DS	1	92	1	1+0	40	150	L/N, L/PEN, L/PE
PIII-275	24 001	PIII - 230	1	93	1	1+0	50	275	L/N, L/PEN, L/PE
PIII-275 DS	24 020	PIII - 230 DS	1	96	1	1+0	50	275	L/N, L/PEN, L/PE
PIII-320	24 320	PIII - 280	1	98	1	1+0	50	320	L/N, L/PEN, L/PE
PIII-320 DS	24 321	PIII - 280 DS	1	100	1	1+0	50	320	L/N, L/PEN, L/PE
PIII-385	24 322		1	95	1	1+0	40	385	L/N, L/PEN, L/PE
PIII-385 DS	24 323		1	102	1	1+0	40	385	L/N, L/PEN, L/PE
PIII-440	24 009	PIII - 400	1	103	1	1+0	40	440	L/N, L/PEN, L/PE
PIII-440 DS	24 040	PIII - 400 DS	1	110	1	1+0	40	440	L/N, L/PEN, L/PE
PIII-600	24 010	PIII - 500	1	109	1	1+0	40	600	L/N, L/PEN, L/PE
PIII-600 DS	24 025	PIII - 500 DS	1	110	1	1+0	40	600	L/N, L/PEN, L/PE
PIIIIM-75	24 050		1	78	1	1+0	40	75	L/N, L/PEN, L/PE
PIIIIM-75 DS	24 051		1	82	1	1+0	40	75	L/N, L/PEN, L/PE
PIIIIM-150	24 052	PIIIIM - 120	1	82	1	1+0	40	150	L/N, L/PEN, L/PE
PIIIIM-150 DS	24 053	PIIIIM - 120 DS	1	85	1	1+0	40	150	L/N, L/PEN, L/PE
PIIIIM-275	24 054	PIIIIM - 230	1	85	1	1+0	50	275	L/N, L/PEN, L/PE
PIIIIM-275 DS	24 055	PIIIIM - 230 DS	1	89	1	1+0	50	275	L/N, L/PEN, L/PE
PIIIIM-320	24 056	PIIIIM - 280	1	80	1	1+0	50	320	L/N, L/PEN, L/PE
PIIIIM-320 DS	24 057	PIIIIM - 280 DS	1	90	1	1+0	50	320	L/N, L/PEN, L/PE
PIIIIM-385	24 043		1	92	1	1+0	40	385	L/N, L/PEN, L/PE
PIIIIM-385 DS	24 044		1	100	1	1+0	40	385	L/N, L/PEN, L/PE
PIIIIM-440	24 058	PIIIIM - 400	1	98	1	1+0	40	440	L/N, L/PEN, L/PE
PIIIIM-440 DS	24 059	PIIIIM - 400 DS	1	106	1	1+0	40	440	L/N, L/PEN, L/PE
PIIIIM-600	24 060	PIIIIM - 500	1	100	1	1+0	40	600	L/N, L/PEN, L/PE
PIIIIM-600 DS	24 061	PIIIIM - 500 DS	1	106	1	1+0	40	600	L/N, L/PEN, L/PE
B20	30 022	B20/C	1	76	1	0+1	50	255	N/PE
B20M	30 122		1	74	1	0+1	50	255	N/PE

Recommended sets for TNS and TT systems

Type	Art. No.	Former type	TE	Weight (g)	No. of poles	Circuit	I _{max} (kA)	Application
SPU1-150	24 132	SPU 1 - 120	2	158	2	1+1	40	Secondary switchboard, control box
SPU1-150 DS	24 032	SPU 1 - 120 DS	2	162	2	1+1	40	Secondary switchboard, control box
SPU1-275	24 034	SPU 1 - 240	2	162	2	1+1	50	Secondary switchboard, control box
SPU1-275 DS	24 033	SPU 1 - 240 DS	2	166	2	1+1	50	Secondary switchboard, control box
SPUM1-275	24 333	SPUM 1 - 240	2	165	2	1+1	50	Secondary switchboard, control box
SPUM1-275 DS	24 233	SPUM 1 - 240 DS	2	167	2	1+1	50	Secondary switchboard, control box
SPU3-150	24 131	SPU 3 - 120	4	322	4	3+1	40	Secondary switchboard, control box
SPU3-150 DS	24 031	SPU 3 - 120 DS	4	330	4	3+1	40	Secondary switchboard, control box
SPU3-275	24 130	SPU 3 - 240	4	336	4	3+1	50	Secondary switchboard, control box
SPU3-275 DS	24 030	SPU 3 - 240 DS	4	349	4	3+1	50	Secondary switchboard, control box
SPUM3-275	24 230	SPUM 3 - 240	4	330	4	3+1	50	Secondary switchboard, control box
SPUM3-275 DS	24 240	SPUM 3 - 240 DS	4	347	4	3+1	50	Secondary switchboard, control box

Recommended sets for TNC system

Set	Consisting of	TE	Weight (g)	No. of poles	Circuit	I _{max} (kA)	Application
PIII-275/3+0	3xPIII-275	3	279	3	3+0	50	Secondary switchboard, control box
PIII-275 DS/3+0	3xPIII-275 DS	3	288	3	3+0	50	Secondary switchboard, control box
PIIIM-275/3+0	3xPIIIM-275	3	255	3	3+0	50	Secondary switchboard, control box
PIIIM-275 DS/3+0	3xPIIIM-275 DS	3	267	3	3+0	50	Secondary switchboard, control box

Spare module

Art. No.

PIIIM-75/M	24 360
PIIIM-150/M	24 361
PIIIM-275/M	24 362
PIIIM-320/M	24 363
PIIIM-385/M	24 364
PIIIM-440/M	24 365
PIIIM-600/M	24 366
B20M/M	24 367
SPUM1-275/M	24 368
SPUM3-275/M	24 369

TE - dividing unit (17,5 mm)

Housing material - Polyamide **PA6**

Recommended cable cross-section of the connected conductors (at tightening torque of clamps 4Nm)

25 mm² (solid), 16 mm² (flexible)