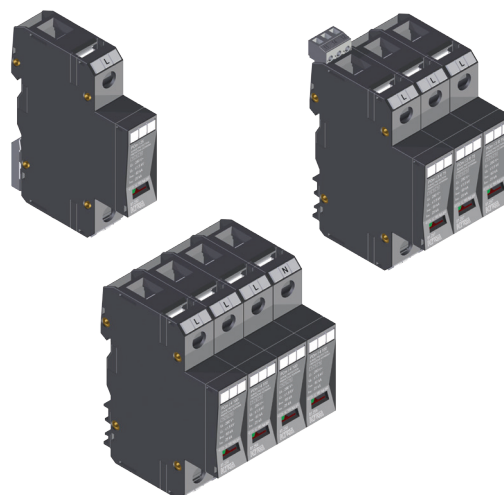
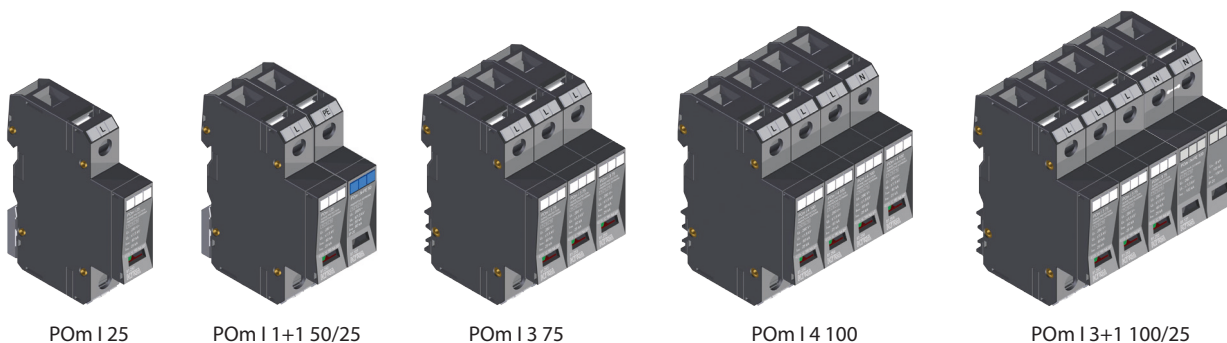


POm I 25

- For protection of mains and appliances in industrial buildings, administration buildings, buildings of civil amenities and detached houses against the effects of overvoltage wave caused by a close, direct or indirect lightning hit
- It decreases overvoltage and restricts overvoltage wave energy
- Installation: into the main distributor
- Usage as the 1st level **T1** of overvoltage protection
- It provides overvoltage protection for appliances installed in the main distributor in the range of **T1**, **T2**, **T3** (coarse, medium and fine protection)
- High diverting capability provided by power varistors MOV and lightning arrester
- Optical and remote signalization of operation state
- Multifunctional terminals for conductors



DELIVERY AND ASSEMBLY INSTRUCTION



POm I 25

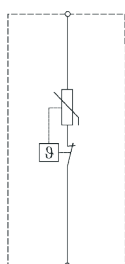
POm I 1+1 50/25

POm I 3 75

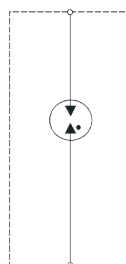
POm I 4 100

POm I 3+1 100/25

BASIC AND N-PE VERSION



Basic version



N-PE version

SIGNALLING STATES

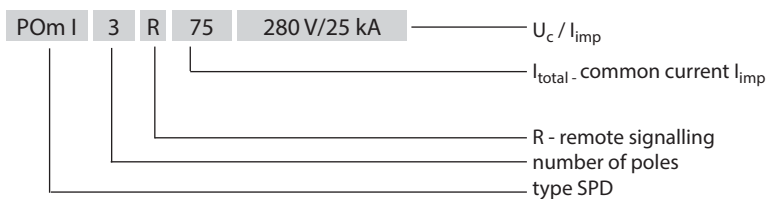
Signalling states



Green = OK

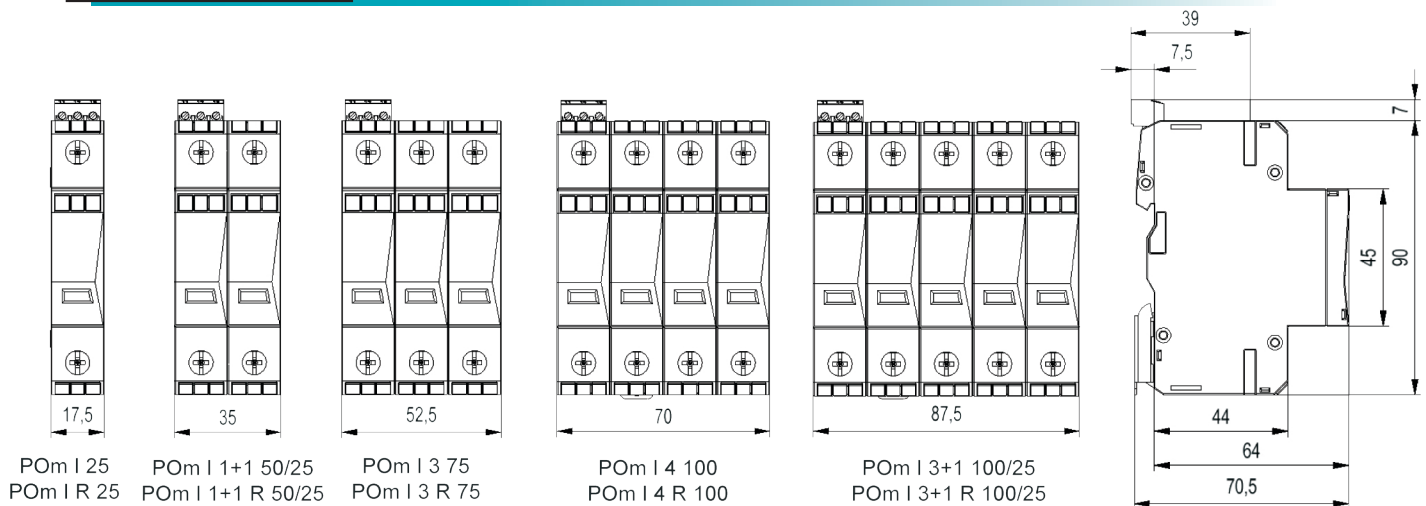
red = out of operation,
to be replaced immediately

PRODUCT SPECIFICATION



TYPE	Order No.
POm I 25	81.250
POm I R 25	81.255
POm I 3 75	81.253
POm I 3 R 75	81.257
POm I 4 100	81.254
POm I 4 R 100	81.258
POm I 3+1 100/25	81.259
POm I 3+1 R 100/25	81.260
POm I 1+1 50/25	81.261
POm I 1+1 R 50/25	81.262

DIMENSIONS



TECHNICAL PARAMETERS

KIWA	Type	POM I		
		L-N/PE	N-PE	
		25	50	100
Number of poles		1		
Nominal voltage	U _n	230 V AC		
Max. operating voltage T1 T2 T3	U _c	280 V AC	260 V AC	
Voltage protection level T1 T2 T3	U _p	≤1,5 kV		
Response time	t _A	<25 ns	<100 ns	
Impulse current (10/350)	I _{imp}	25 kA	50 kA	100 kA
Open circuit voltage T3	U _{oc}	20 kV	10 kV	6 kV
Nom. discharge current (8/20) T1 T2	I _n	30 kA	60 kA	100 kA
Max. discharge current (8/20)	I _{max}	60 kA	60 kA	100 kA
Prospective short-circuit current of a power supply	I _p	25 kA _{ef}	-	
Overcurrent protection gL/gG		≤160 A	-	
Temporary overvoltage	U _{TOV}	335 V AC	-	
Residual current	I _{PE}	-	<1 μA	
Follow current	I _f	-	100 A	
Signalling changeover contact		M3/0.25 Nm, □ 0,2 ... 1,5 mm ² , max. 250 V AC/1A	-	
Status indication of TDD (Thermic Disconnecting Device)		Green (OK) Red (OUT)	-	
Status indication of EWS		-		
Min. ... max. tightening torque		2 ... 3 Nm		
Connecting conductor cross section:- wire		4 ... 35 mm ²		
- cord		4 ... 25 mm ²		
Operating temperature range		- 40 ... +70 °C		
Degree of protection		IP 20		
Colour		Black; RAL 9011		
Dimensions		97 x 64 x 17,5	97 x 64 x 35	
Mounting on profiled DIN rail		35 x 7,5 mm		
Products comply with norms				
STN EN 61643-11		typ 1 T1 + typ 2 T2 + typ 3 T3		
IEC 61643-1		Class I + Class II + Class III		
VDE 0675-06		Klasse B + Klasse C + Klasse D		