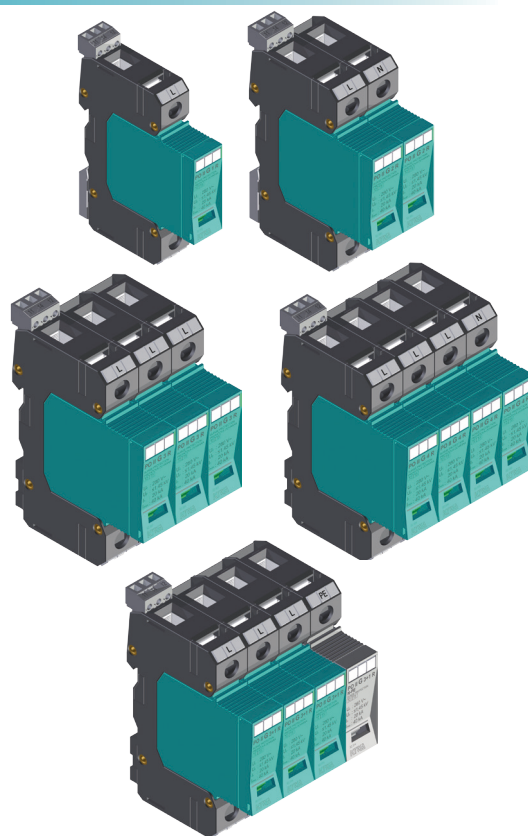
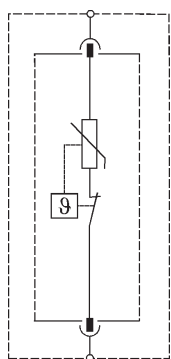


PO II G 280V/40kA

- PO II G complies with new standards: **EN 61643-11: 2012, thereby is guaranteed higher reliability and safety**
- It decreases overvoltage and restricts overvoltage energy wave caused by induction and switching activities in the low-voltage power supply
- For protection of mains and appliances in industrial buildings, administration buildings, buildings of civil amenities, detached houses and flats against the overvoltage
- Installation: into the sub-distribution board
- Usage as the 2nd level (T2, medium protection) in 3-level overvoltage protection concept
- Provides protection against the overvoltage for appliances placed in the sub-distribution board in the range of T2, T3 (medium, fine protection)
- High diverting capability provided by power varistors MOV and by gas filled spark gaps
- Version: basic part + plug-in protective modules
- Protective modules rotatable with respect the base through 180°
- Optical and remote signalization of operation state
- Multifunctional terminals for conductors and bus bars





CONNECTION DIAGRAM



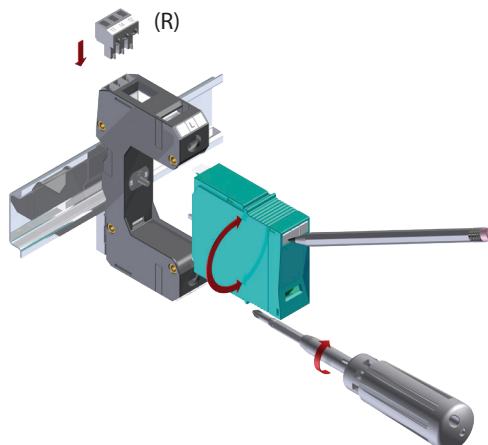
PO II G 1 280V/40kA

SIGNALLING STATES

 green = OK
 red = out of operation, to be replaced immediately

INSTALLATION

- Installation on DIN rail
- Cable labeling system using Dekafix replaceable strips
- Plug-in varistor can be turned through 180°



TECHNICAL PARAMETERS

KIWA	Type	PO II G 280V/40kA	
		L-N	N-PE
		280 V AC	
Number of poles		1	1
Nominal voltage	U_n	230 V AC	230 V AC
Max. operating voltage T2 T3	U_c	280 V AC	260 V AC
Voltage protection level T2 T3	U_p	≤1,45 kV	≤1,45 kV
Response time	t_A	<25 ns	<150 ns
Open circuit voltage T3	U_{oc}	6 kV	
Nominal discharge current (8/20) T2	I_n	20 kA	
Max. discharge current (8/20)	I_{max}	40 kA	
Prospective short-circuit current of a power supply	I_p	25 kA _{ef}	-
Overcurrent protection gL/gG		≤125 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, □max. 1,5 mm ² , max. 250 V AC/1 A	-
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	- plug-in varistor	turquoise blue, RAL 5018	light grey RAL 7035
	- holder	black; RAL 9011	black; RAL 9011
Dimensions		97 x 64 x 17,5 mm	
Mounting on profiled DIN rail		35 x 7,5 mm	
Products comply with norms		type 2 T2 + type 3 T3	
EN 61643-11		Class II + Class III	
IEC 61643-1		Klasse C + Klasse D	
VDE 0675-06			

PRODUCT SPECIFICATION

TYPE	Order No.	TYPE	Order No.	TYPE	Order No.
	280 V AC		280 V AC		260 V AC
PO II G 1	82.301	PO II G 3	82.303	PO II G 0 N-PE	82.315
PO II G 1 R	82.305	PO II G 3 R	82.307	PO II G 1 N-PE	82.316
PO II G 1+1	82.309	PO II G 3+1	82.313		
PO II G 1+1 R	82.310	PO II G 3+1 R	82.314		
PO II G 2	82.302	PO II G 4	82.304		
PO II G 2 R	82.306	PO II G 4 R	82.308		
PO II G 2+1	82.311	PO II G 0	82.317		
PO II G 2+1 R	82.312				

