

1st level - with replaceable plug-in's **T1+T2+T3 (B+C+D)**

$I_{imp} = 12,5 \text{ kA}$



R ... remote signaling contact

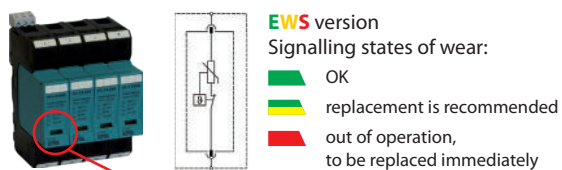
SPD without contact	Order No.	SPD with contact - R	Order No.
PO I 1 280V/12,5kA	81.001	PO I 1 R 280V/12,5kA	81.005
PO I 2 280V/12,5kA	81.002	PO I 2 R 280V/12,5kA	81.006
PO I 3 280V/12,5kA	81.003	PO I 3 R 280V/12,5kA	81.007
PO I 4 280V/12,5kA	81.004	PO I 4 R 280V/12,5kA	81.008
PO I 0 280V/12,5kA (spare plug-in protective unit)			81.017



R ... remote signalling contact for the identification of the overvoltage protection state

TN-S

SPD without contact	Order No.	SPD with contact - R	Order No.
PO I 1+1m 280V/12,5kA	81.031	PO I 1+1m R 280V/12,5kA	81.032
PO I 3+1m 280V/12,5kA	81.027	PO I 3+1m R 280V/12,5kA	81.028
PO I 0 280V/12,5kA (spare plug-in protective unit)			81.017



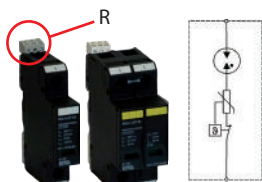
EWS version
Signalling states of wear:
█ OK
█ replacement is recommended
█ out of operation, to be replaced immediately

SPD without contact	Order No.	SPD with contact - R	Order No.
PO I 1 EWS 280V/12,5kA	81.023	PO I 1 R EWS 280V/12,5kA	81.025
PO I 2 EWS 280V/12,5kA	81.024	PO I 2 R EWS 280V/12,5kA	81.026
PO I 3 EWS 280V/12,5kA	81.013	PO I 3 R EWS 280V/12,5kA	81.015
PO I 4 EWS 280V/12,5kA	81.014	PO I 4 R EWS 280V/12,5kA	81.016
PO I 0 EWS 280V/12,5kA (spare plug-in protective unit EWS)			81.020

EWS ... signal of wear state

1st level - monoblock **T1+T2+T3 (B+C+D)**

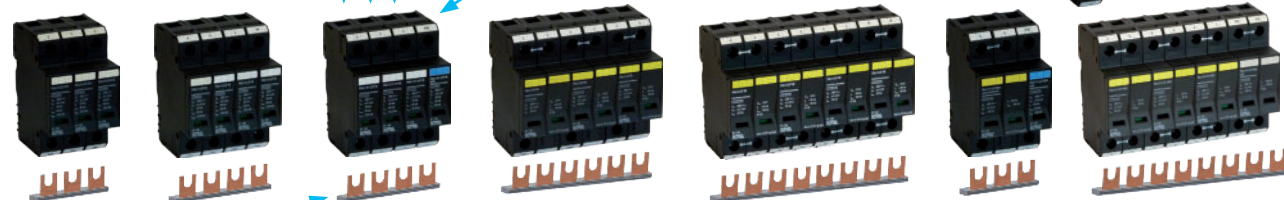
$I_{imp} = 12,5 \text{ kA}$, $I_{imp} = 25 \text{ kA}$, $I_{imp} = 30 \text{ kA}$



SPD without contact	Order No.	SPD with contact - R	Order No.
POm I LCF 12,5 280V/12,5kA	81.104	POm I R LCF 12,5 280V/12,5kA	81.107
POm I LCF 25 280V/25kA	81.124	POm I R LCF 25 280V/25kA	81.125
POm I LCF 30 280V/30kA	81.126	POm I R LCF 30 280V/30kA	81.127

SPD with spark gap N-PE	Order No.
POm I N-PE 50 260V/50kA	81.101
POm I N-PE 100 260V/100kA	81.121

SPDs completed from individual poles:



NOTE:
Busbar QB 18-4, completed from 3 peaces of monoblock POm I LCF 12,5kA and 1 peace of POm I N-PE 50kA

Busbars	Order No.	Busbars	Order No.	Busbars	Order No.
QB 18-2 (2 - pol)	91.601	QB 18-4 (4 - pol)	91.605	QB 18-8 (8 - pol)	91.609
QB 18-3 (3 - pol)	91.603	QB 18-6 (6 - pol)	91.610		

SPDs from monoblock integrated into 1 SPDs:

Completed from POm I LCF 12,5 280V/12,5kA			
SPD without contact	Order No.	SPD with contact - R	Order No.
POm I 3 LCF 37,5 280V/12,5kA	81.136	POm I 3 R LCF 37,5 280V/12,5kA	81.137
POm I 4 LCF 50 280V/12,5kA	81.138	POm I 4 R LCF 50 280V/12,5kA	81.139
POm I 3+1 LCF 50 280V/12,5kA	81.140	POm I 3+1 R LCF 50 280V/12,5kA	81.141

Completed from POm I LCF 25 280V/25kA			
SPD without contact	Order No.	SPD with contact - R	Order No.
POm I 3 LCF 75 280V/25kA	81.130	POm I 3 R LCF 75 280V/25kA	81.131
POm I 4 LCF 100 280V/25kA	81.128	POm I 4 R LCF 100 280V/25kA	81.129
POm I 1+1 LCF 50/25 280V/25kA	81.150	POm I 1+1 R LCF 50/25 280V/25kA	81.151
POm I 3+1 LCF 100/25 280V/25kA	81.142	POm I 3+1 R LCF 100/25 280V/25kA	81.143

Completed from POm I LCF 30 280V/30kA			
SPD without contact	Order No.	SPD with contact - R	Order No.
POm I 3 LCF 90 280V/30kA	81.132	POm I 3 R LCF 90 280V/30kA	81.133
POm I 4 LCF 120 280V/30kA	81.134	POm I 4 R LCF 120 280V/30kA	81.135
POm I 1+1 LCF 50/30 280V/30kA	81.144	POm I 1+1 R LCF 50/30 280V/30kA	81.145
POm I 3+1 LCF 100/30 280V/30kA	81.152	POm I 3+1 R LCF 100/30 280V/30kA	81.153



PRODUCT SPECIFICATION

POm I 3 R LCF 90 280V/30kA

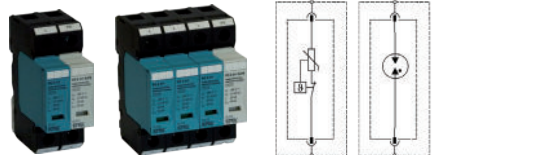
- U_c/I_{imp} = max. operating voltage / impulse current
- common current I_{imp}
- version with zero residual current and zero follow current
- remote signalling
- 3 - number of poles
- class I.
- m - non-replaceable unit = monoblock type SPD

2nd level - with replaceable plug-in's **T2+T3** (C+D)



R ... remote signalling contact

For SPD's with other voltages please ask technical support dpt. on www.kiwa.sk



EWS version

Signalling states of wear:

- OK
- replacement is recommended
- out of operation, to be replaced immediately

EWS ... signal of wear state

LCF ... version with zero residual current and zero follow current



SPD without contact	Order No.	SPD with contact - R	Order No.
PO II 1 280V/40kA	82.001	PO II 1 R 280V/40kA	82.005
PO II 2 280V/40kA	82.002	PO II 2 R 280V/40kA	82.006
PO II 3 280V/40kA	82.003	PO II 3 R 280V/40kA	82.007
PO II 4 280V/40kA	82.004	PO II 4 R 280V/40kA	82.008
PO II 0 280V/40kA (spare plug-in protective unit)			82.053

TN-S

SPD without contact	Order No.	SPD with contact - R	Order No.
PO II 1+1 280V/40kA	82.017	PO II 1+1 R 280V/40kA	82.019
PO II 3+1 280V/40kA	82.018	PO II 3+1 R 280V/40kA	82.020
PO II 0 280V/40kA (spare plug-in protective unit)			82.053
PO II 0 N-PE 260V/40kA (spare plug-in protective unit)			82.060

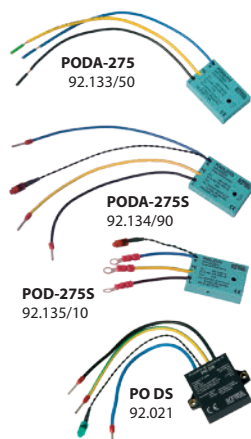
SPD without contact	Order No.	SPD with contact - R	Order No.
PO II 1 EWS 280V/40kA	82.068	PO II 1 R EWS 280V/40kA	82.070
PO II 2 EWS 280V/40kA	82.069	PO II 2 R EWS 280V/40kA	82.071
PO II 3 EWS 280V/40kA	82.013	PO II 3 R EWS 280V/40kA	82.015
PO II 4 EWS 280V/40kA	82.014	PO II 4 R EWS 280V/40kA	82.016
PO II 0 EWS 280V/40kA (spare plug-in protective unit) EWS)			82.055

SPD without contact	Order No.	SPD with contact - R	Order No.
PO II 1 LCF 280V/40kA	82.064	PO II 1 R LCF 280V/40kA	82.066
PO II 2 LCF 280V/40kA	82.065	PO II 2 R LCF 280V/40kA	82.067
PO II 3 LCF 280V/40kA	82.009	PO II 3 R LCF 280V/40kA	82.011
PO II 4 LCF 280V/40kA	82.010	PO II 4 R LCF 280V/40kA	82.012
PO II 0 LCF 280V/40kA (spare plug-in protective unit) LCF)			82.054

3rd level **T3** (D)

Compact module			
SPD without contact	Order No.	SPD with contact - S	Order No.
RPO D 230V/16A	92.024	RPO DS 230V/16A	92.025
RPO D 24V/16A	92.082	RPO DS 24V/16A	92.085

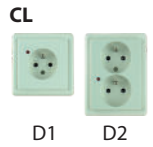
Compact module with HF filter (F)			Width only 2 units
SPD without contact	Order No.	D with contact - R	Order No.
RPOD F 6 230V/6A	92.136	RPOD R F 6 230V/6A	92.137
RPOD F 16 230V/16A	92.042	RPOD R F 16 230V/16A	92.043



SPD modules for sockets		
	Order No.	
PODA-275 <i>acoustic signalling</i>	92.133/10	wire end ferrule, lenght of wire 50 mm
	92.133/20	cable lug, lenght of wire 60 mm
	92.133/30	wire end ferrule, lenght of wire on order
	92.133/40	cable lug, lenght of wire on order
	92.133/50	wire end ferrule and cable lug pack in, lenght of wire 160 mm
PODA-275S <i>acoustic and optic red signalling</i>	92.134/10	wire end ferrule, lenght of wire 160 mm
	92.134/90	ending and lenght of wire on order
POD-275S (S-optic) <i>optic red signalling</i>	92.135/10	wire end ferrule, lenght of wire 50 mm
	92.135/20	cable lug, lenght of wire 60 mm
	92.135/90	wire end ferrule, lenght of wire 160 mm
PO DS <i>optic green signalling</i>	92.021	wire end ferrule, lenght of wire 150 mm



Surge protective sockets							
TANGO D1	Order No.	TANGO D2	Order No.	CLASSIC D1	Order No.	CLASSIC D2	Order No.
ZPO D ATA1 iS-4kV/white	92.069	ZPO D ATA2 iS-4kV/white	92.070	ZPO D ACL1 iS-4kV/white	92.071	ZPO D ACL2 iS-4kV/white	92.072
ZPO D ATA1 iS-4kV/burg.	92.098	ZPO D ATA2 iS-4kV/burg.	92.116	ZPO D ACL1 iS-4kV/beige	92.090	ZPO D ACL2 iS-4kV/brown	92.095
ZPO D ATA1 iS-4kV/gray	92.106	ZPO D ATA2 iS-4kV/ivory	92.111	ZPO D ACL1 iS-4kV/brown	92.105	VALENA D1	Order No.
ZPO D ATA1 iS-4kV/black	92.109	ZPO D ATA2 iS-4kV/black	92.108			ZPO D LVA1 iS-4kV/white	92.077
ZPO D ATA1 iS-4kV/beige	92.110	ZPO D ATA2 iS-4kV/beige	92.107			ZPO D LVA1 iS-4kV/beige	92.078



For complete assortment of SPD please see KIWA Catalogue or contact technical support, both on www.kiwa.sk

The table „Tolerance ranges for inspection of SPD KIWA“ is published on web page www.kiwa.sk