



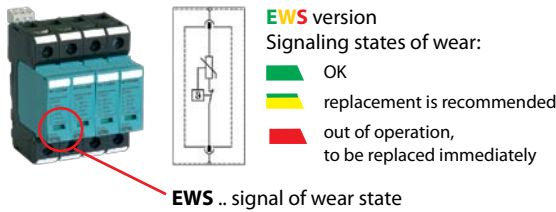
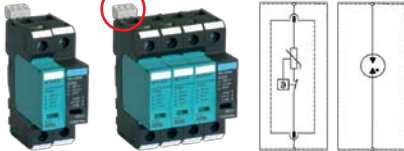
1st level - with replaceable plug-in's

T1+T2+T3 (B+C+D)

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



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



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

EWS .. signal of wear state

R .. remote signaling contact

SPD without contact	Order N°	SPD with contact - R	Order N°
PO I 1 280 V/12,5 kA	81.001	PO I 1 R 280 V/12,5 kA	81.005
PO I 2 280 V/12,5 kA	81.002	PO I 2 R 280 V/12,5 kA	81.006
PO I 3 280 V/12,5 kA	81.003	PO I 3 R 280 V/12,5 kA	81.007
PO I 4 280 V/12,5 kA	81.004	PO I 4 R 280 V/12,5 kA	81.008
PO I 0 280 V/12,5 kA (spare plug-in protective unit)			81.017

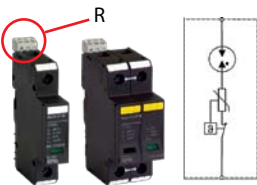
TN-S

SPD without contact	Order N°	SPD with contact - R	Order N°
PO I 1+1m 280 V/12,5 kA	81.031	PO I 1+1m R 280 V/12,5 kA	81.032
PO I 3+1m 280 V/12,5 kA	81.027	PO I 3+1m R 280 V/12,5 kA	81.028
PO I 0 280 V/12,5 kA (spare plug-in protective unit)			81.017

SPD without contact	Order N°	SPD with contact - R	Order N°
PO I 1 EWS 280 V/12,5 kA	81.023	PO I 1 R EWS 280 V/12,5 kA	81.025
PO I 2 EWS 280 V/12,5 kA	81.024	PO I 2 R EWS 280 V/12,5 kA	81.026
PO I 3 EWS 280 V/12,5 kA	81.013	PO I 3 R EWS 280 V/12,5 kA	81.015
PO I 4 EWS 280 V/12,5 kA	81.014	PO I 4 R EWS 280 V/12,5 kA	81.016
PO I 0 EWS 280 V/12,5 kA (spare plug-in protective unit EWS)			81.020

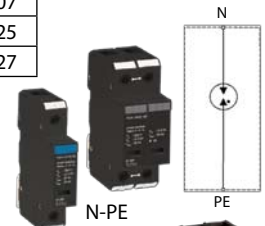
1st level - monoblock T1+T2+T3 (B+C+D)

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



SPD without contact	Order N°	SPD with contact - R	Order N°
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 N°
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 pieces of monoblock POm I LCF 12,5 and 1 piece of POm I N-PE 50

Busbars	Order N°	Busbars	Order N°	Busbars	Order N°
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 N°	SPD with contact - R	Order N°
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 N°	SPD with contact - R	Order N°
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 N°	SPD with contact - R	Order N°
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 signaling
 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 signaling contact

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

EWS version
Signaling 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 №	SPD with contact - R	Order №
PO II 1 280 V/40 kA	82.001	PO II 1 R 280 V/40 kA	82.005
PO II 2 280 V/40 kA	82.002	PO II 2 R 280 V/40 kA	82.006
PO II 3 280 V/40 kA	82.003	PO II 3 R 280 V/40 kA	82.007
PO II 4 280 V/40 kA	82.004	PO II 4 R 280 V/40 kA	82.008
PO II 0 280 V/40 kA (spare plug-in protective unit)			82.053

TN-S

SPD without contact	Order №	SPD with contact - R	Order №
PO II 1+1 280 V/40 kA	82.017	PO II 1+1 R 280 V/40 kA	82.019
PO II 3+1 280 V/40kA	82.018	PO II 3+1 R 280 V/405 kA	82.020
PO II 0 280 V/40 kA (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 №	SPD with contact - R	Order №
PO II 1 EWS 280 V/40 kA	82.068	PO II 1 R EWS 280 V/40 kA	82.070
PO II 2 EWS 280 V/40 kA	82.069	PO II 2 R EWS 280 V/40 kA	82.071
PO II 3 EWS 280 V/40 kA	82.013	PO II 3 R EWS 280 V/40 kA	82.015
PO II 4 EWS 280 V/40 kA	82.014	PO II 4 R EWS 280 V/40 kA	82.016
PO II 0 EWS 280 V/40 kA (spare plug-in protective unit EWS)			82.055

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

3rd level **T3 (D)**

Compact module

SPD without contact	Order №	SPD with contact - S	Order №
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 №	SPD with contact - R	Order №
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

PODA-275 92.133/50

PODA-275S 92.134/90

POD-275S 92.135/10

POD S 92.021

SPD modules for sockets

	Order №	
PODA-275	92.133/10	wire end ferrule, length of wire 50 mm
acoustic signaling	92.133/20	cable lug, length of wire 60 mm
	92.133/30	wire end ferrule, length of wire on order
	92.133/40	cable lug, length of wire on order
	92.133/50	wire end ferrule and cable lug pack in, length of wire 160 mm
	92.133/90	wire end ferrule, length of wire 160 mm
PODA-275S	92.134/10	ending and length of wire on order
acoustic and optic red signaling	92.134/90	wire end ferrule, length of wire 160 mm
POD-275S (S-optic)	92.135/10	wire end ferrule, length of wire 50 mm
optic red signaling	92.135/20	cable lug, length of wire 60 mm
	92.135/90	wire end ferrule, length of wire 160 mm
PO DS optic green signaling	92.021	wire end ferrule, length of wire 150 mm



Surge protective sockets

TANGO	Order №	TANGO - inverse	Order №	CLASSIC	Order №	MOSAIC	Order №
ZPO D1B - TA, without box	92.005	ZPOI D1B - TA	92.069	ZPO D11 - CL	92.035	ZPO D1M/74111-MOSAIC	92.011
ZPO D2B - TA	92.008	ZPOI D2B - TA	92.070	ZPOI D11 - CL	92.071	ZPO D1M/74114-MOSAIC	92.012
ZPO D2R - TA	92.094	ZPOI D1R - TA	92.098	ZPOI D21 - CL	92.072		
		ZPOI D1 - TA	92.110				
		ZPOI D2R - TA	92.116				

ZPO D - GREEN light indicates status „OK“

ZPOI D - RED light indicates status „FAULTY“

D1 D2 D1 D2



For complete assortment of SPD please see KIWA Catalogue 2012 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



KIWA, spol. s r.o.
Hornostavská 9
SK - 949 01 Nitra

Contact address:
Novozámocká 179
SK - 949 05 Nitra

phone: +421/37/6927 011
fax: +421/37/6927 012
e-mail: kiwa@kiwa.sk

