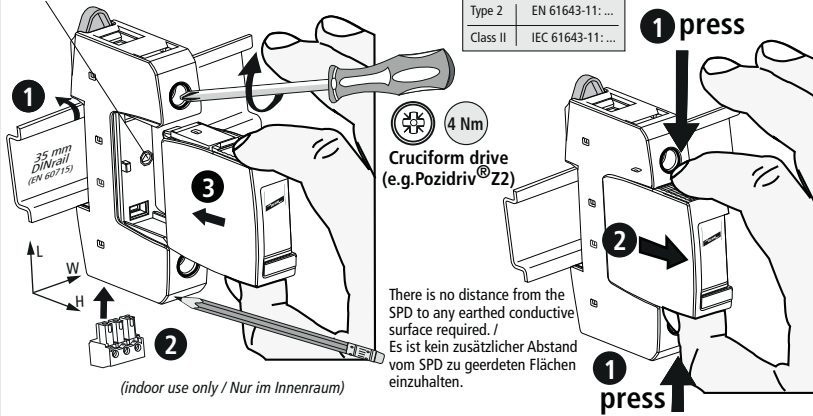


DEHNguard S® DG S ... (FM)

U_C Code: 48V, 75V, 150V, 275V, 320V, 385V, 440V, 600V



Technical data / Technische Daten

type DG S ... (FM)	48	75	150	275	320	385	440	600
U _N / Tol.: 0V ... U _C	42 V	60 V	120 V	230 V	230 V	230 V	400 V	480 V
U _C	48 V~	75 V~	150 V~	275 V~	320 V~	385 V~	440 V~	600 V~
f _N	50 / 60 Hz							
max. ⇔	125 A gG							
I _{max}	25 kA	40 kA	40 kA	40 kA	40 kA	40 kA	40 kA	30 kA
I _{SCCR}	50 kA _{rms}				25 kA _{rms}			
g° C	-40°C ... + 80°C							
humidity / Feuchte	5% ... 95%							
I _{PE}	< 0,5 mA							
Ports	1							
IP-Code	IP 20 (built in / eingebaut)							
L x W x H	90 mm x 18 mm x 73 mm							
Additional technical data for DC / Ergänzende technische Daten für DC								
U _{C, DC}	--	100 V-	200 V-	350 V-	420 V-	500 V-	585 V-	600 V-
max. ⇔	--	80 A gG				80 A gPV		
I _{SCCR}	--	5000 A-						

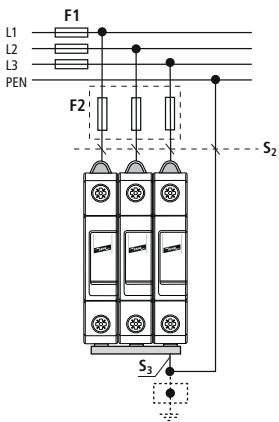
Backup fuse / Vorsicherung

DEHNguard S DG S ... (FM)			
Typ	48, 75, 150, 275, 320, 385, 440	600	
F1	F1 > 125 A gG ↓ F2 ≤ 125 A gG	F1 > 100 A gG ↓ F2 ≤ 100 A gG	
F2	F1 ≤ 125 A gG ↓ F1 ≤ 100 A gG	F1 ≤ 100 A gG ↓ F1 ≤ 100 A gG	

DG S ... (FM)				
Type / Typ	48, 75, 150, 275, 320, 385, 440	600		
Fuse F1 A gG	S ₂ / mm ²	S ₃ / mm ²	Fuse F2 A gG	Fuse F2 A gG
25	4	6	---	---
35	4	6	---	---
40	4	6	---	---
50	6	6	---	---
63	10	10	---	---
80	10	10	---	---
100	16	16	---	---
125	16	16	---	100
>125	16	16	125	100

min. \square L, N, PE	12 mm	12 mm	12 mm
max. \square L, N, PE	25 mm ²	35 mm ²	35 mm ²
16 mm ² Cu	15.5 mm	15.5 mm	15.5 mm

TN-C



TN (-C) -S

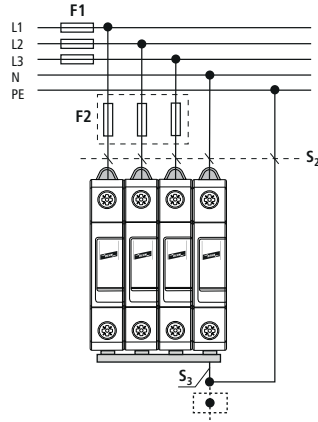
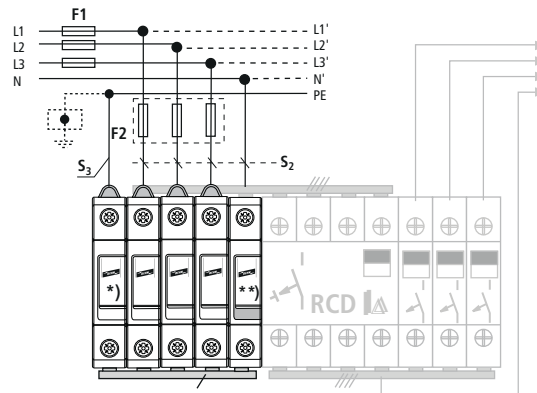


Fig. a TT 3+1

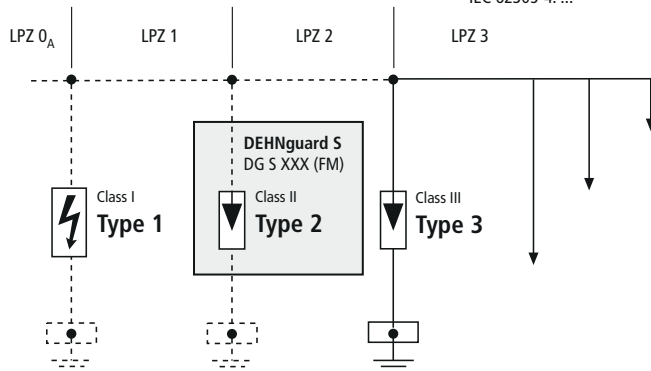


*) DEHNgap C S
DGP C S (FM)
Part No. 952 030 (035)

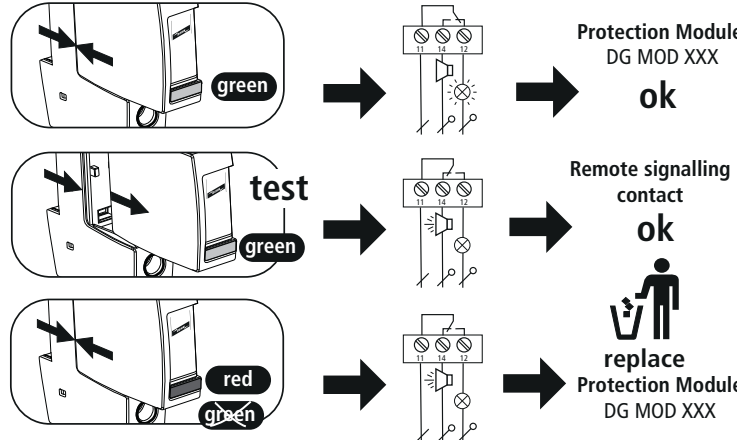
**) Feed through terminal
DK 25
Part No. 952 699

Coordination / Koordination

DIN VDE 0185-305-4: ...
IEC 62305-4: ...



Fault indication / Defektanzeige



Remote signalling contact / Fernmeldekontakt

DEHNguard S DG S XXX FM	
U _N / I _N	AC: 250 V / 0.5 A DC: 250 V / 0.1 A 125 V / 0.2 A 75 V / 0.5 A
max. 1.5 mm ²	



DG S 75 (FM)	... 150 (FM)	... 275 (FM)	... 320 (FM)	... 385 (FM)	... 440 (FM)	... 600 (FM)
Rated Voltage [V] (50/60 Hz)		75	150	275	320	385	440	600
MCOV [V]		75	150	275	320	385	440	600
VPR [V]		500	700	1000	1200	1500	1500	2000
In [kA]		10	20	20	20	20	20	20
Max. Ambient Temp.		+80°C						
Con- ductors	AWG	2-14 Cu Solid or Stranded						
	Torque	35 - 45 Lbs-in						
Remote Indicator	AWG	14-22 Cu						
	Torque	3 Lbs-in						
SPD classification		Type 4 SPD for SPD Type 2 applications						