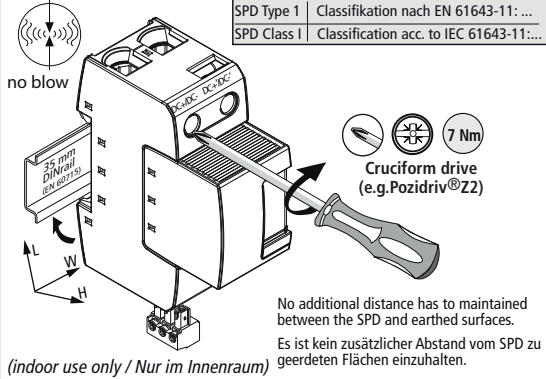




DEHNsecure M, DSE M 1 ... (FM)

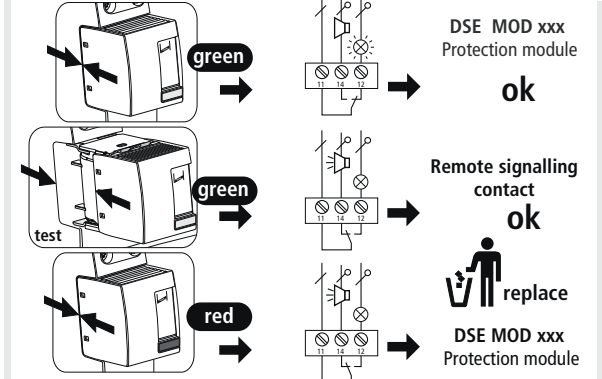


Technical data / Technische Daten

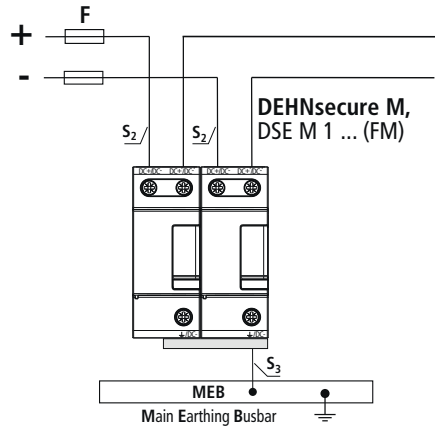
Type	DSE M 1 60 (FM)	DSE M 1 220 (FM)	DSE M 1 242 (FM)
Module	DSE MOD 60	DSE MOD 220	DSE MOD 242
U_c	60 V/DC	220 V/DC	242 V/DC
I_{SCCR}	25 kA DC		
I_{imp} 10/350 μ s	25 kA		
max. \Rightarrow	125 A gG (series connection)		
max. \Rightarrow	250 A gG (parallel connection)		
ϑ° C	-40°C ... + 80°C (... +60°C series connection)		
Humidity / Feuchte	5% ... 95%		
I_{PE}	<< 10 μ A		
Ports	1		
IP Code	IP 20 (built in / eingebaut)		
L x W x H	90 mm x 36 mm x 73 mm		

<input type="checkbox"/> max. DC+/DC-, \pm /DC-	35 mm ²	50 mm ²
<input type="checkbox"/> max. DC+/DC-, \pm /DC-	25 mm ²	35 mm ²
<input type="checkbox"/> min. DC+/DC-, DC+/DC-, \pm /DC-	10 mm ²	
<input type="checkbox"/> Δ	16 mm ² Cu	$AWG \geq 15,5$ mm

Fault indication / Defektanzeige



Isolierte Systeme Series connection



Backup fuse / Vorsicherung Series connection

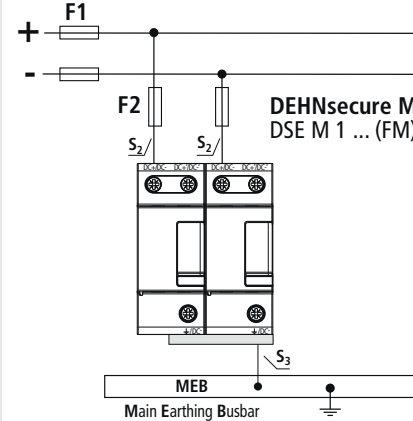
Fuse F A gG	S_2 / mm ²	S_3 / mm ²
25	10	16
35	10	16
40	10	16
50	10	16
63	10	16
80	16	16
100	25	16
125	35	16

DEHNsecure M, DSE M 1 ... (FM)

$F \leq 125$ A gG → ok

$F > 125$ A gG → Parallel connection

Isolierte Systeme Parallel connection



Backup fuse / Vorsicherung Parallel connection

F1 / F2	S_2 / mm ²	S_3 / mm ²
...80 A	10	16
100...125 A	16	16
160 A	25	25
200...250 A	35	35

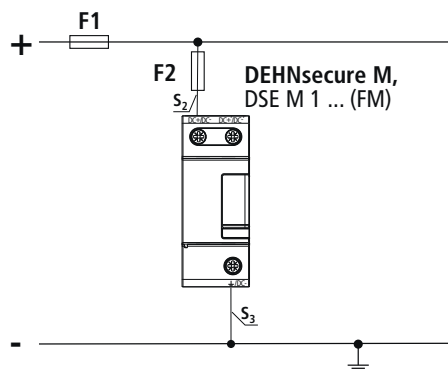
Short-circuit protection / Kurzschlußschutz

$F1 \leq 250$ A gG

$F1 > 250$ A gG

$F2 \leq 250$ A gG

Geerdete Systeme Parallel connection



Backup fuse / Vorsicherung Parallel connection

F1 / F2	S_2 / mm ²	S_3 / mm ²
...80 A	10	16
100...125 A	16	16
160 A	25	25
200...250 A	35	35

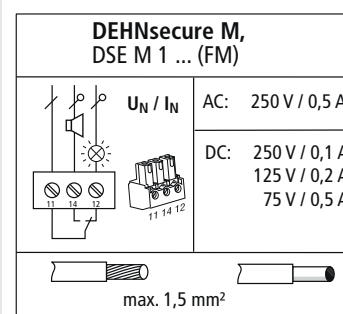
Short-circuit protection / Kurzschlußschutz

$F1 \leq 250$ A gG

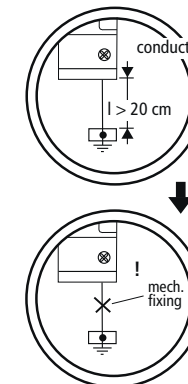
$F1 > 250$ A gG

$F2 \leq 250$ A gG

Remote signalling contact/ Fernmeldekontakt



Mechanical fixing / Mechanische Befestigung



Note / Hinweis

DSE M 1 242 (FM) kann unter Verwendung einer max. Vorsicherung von 10 A gG an einer maximalen AC-Dauerspannung von 253 Volt betrieben werden!

DSE M 1 242 (FM) can be operated on a maximum continuous operating a.c. voltage of 253 V if a max. backup fuse of 10 A gG is used!

