

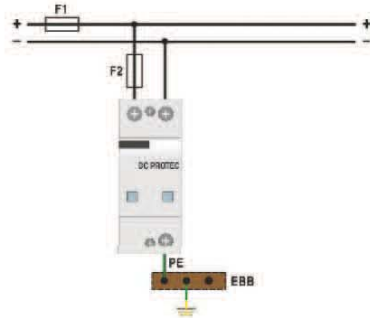
# DVSC24 40 and DVSC48 40

**Single-pole  
Surge Arrester  
 $I_{max} = 40kA (8/20)$**

Category IEC/EN/VDE:	Class II/Type 2/C
Location of use:	DC power systems
Protection modes:	(+)-PE, (-)-PE, (+)-(-)
Protective element:	MOV
Surge discharge ratings:	$I_n = 20kA, I_{max} = 40kA$
Housing:	Compact design



## T connection

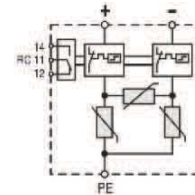


## Technical data

Type	24	48
In accordance with	IEC-61643-1	
Max. continuous operating voltage (AC/DC)	$U_c$ 25/31V	40/56V
	(+) - (-)	75/100V
	(-) - PE, (-) - PE	275/350V
Nominal discharge current (8/20)	$I_n$	20kA
Max. discharge current (8/20)	$I_{max}$	40kA
Protection level	$U_p$ (+ / -)	< 0.6kV
	(+, - / PE)	< 1.5kV
Residual voltage	$U_{res}$ (+/-)	< 0.3V
	(+, - / PE)	< 1.0kV
Follow current	$I_f$	NO
Response time	$t_A$	< 25ns
Residual current at $U_c$	$I_{PE}$	< 2.5mA
Thermal protection	YES	
Terminal screw torque	max. 4.5Nm	
Short-circuit withstand current	25kA / 50Hz	
Temperature range	- 40°C ... + 80°C	
Terminal cross section	35mm <sup>2</sup> (solid) / 25mm <sup>2</sup> (stranded)	
Mounting EN 60715	35mm top-hat rail	
Degree of protection	IP 20	
Housing material	Thermoplastic; extinguishing degree UL 94 V-0	
Dimensions DIN 43880	2TE	
Weight per unit	196g	196g
DVSCRXX40 (with remote contacts)	YES	
Remote contacts	YES	
Contact ratings	AC: 250V/0.5A; 125V/3A	
Terminal cross section	max. 1.5mm <sup>2</sup>	
Remote terminal torque	0.25Nm	
Weight per unit	202g	202g
Packaging dimensions (single unit)	109 x 76.5 x 41.5mm	

## Connection diagram

DVSCXX 40



## Dimensions

