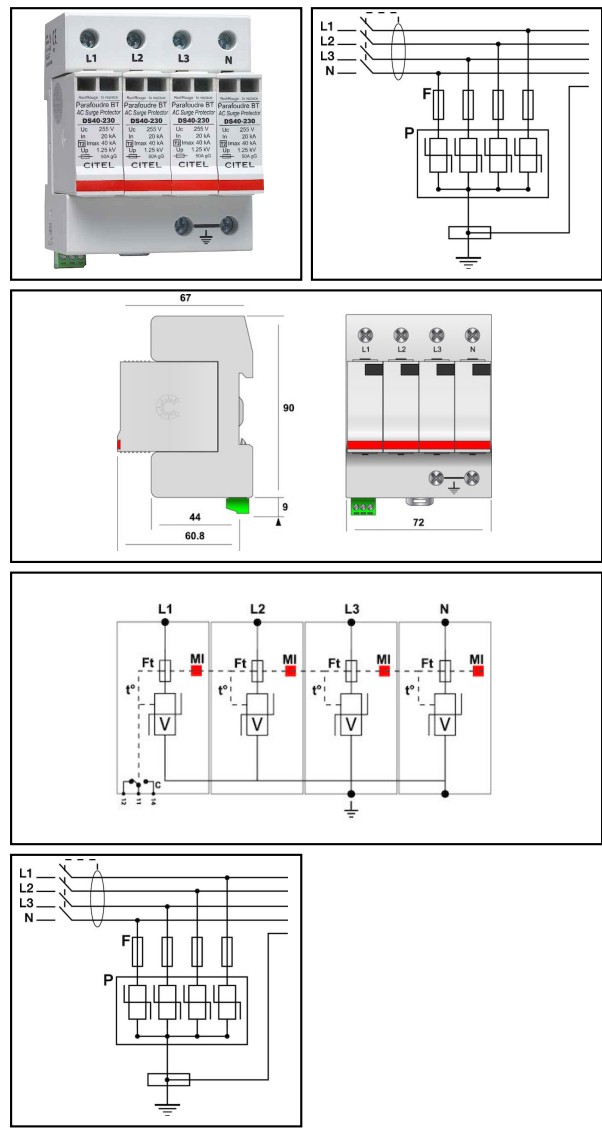


Surge protection (Type 2)

■ DS 40 S Overvoltage protection T2



- Characteristics**
- surge protector type 2
 - $I_n = 20\text{kA}$; $I_{\text{max}} = 40\text{kA}$
 - internal disconnection, status indicator
 - pluggable module
 - remote signaling

Article-Nr.	E-Number	Typ/Type		kA I_{max}	ns t_A	kV U_P	mm ² 	kA i_n		
296.044.011	808 411 020	T2	1	40	0	1.25	0 - 42	20	Yes	1
296.044.012	808 412 020	T2	2	40	0	1.25	0 - 42	20	Yes	1
296.044.013	808 413 020	T2	3	40	0	1.25	0 - 42	20	Yes	1
296.044.014	808 414 020	T2	4	40	0	1.25	0 - 42	20	Yes	1
296.046.401	808 414 030	T2	3+1	40	0	1.25	0 - 42	20	Yes	1

Accessories										
 Replacement module 296.044.000										
Article-Nr.	E-Number		Typ/Type							
296.044.000	808 411 030	TPE	T2						DS 40 S	1

Accessories



Replacement module 296.144.000

Article-Nr.	E-Number									
296.144.000	808 411 040	TPE	T2						DS 40 S/G	1

Technical Specifications: **Overvoltage protection T2 DS 40 S**

	296.044.011	296.044.012	296.044.013	296.044.014
Construction size	1 modular spacing	2 modular spacing	3 modular spacing	4 modular spacing
SPD type	T2			
Number of poles	1	2	3	4
max. discharge current (I _{max})	40 kA			
Nominal line voltage U _n AC	230 V			
Continuous voltage AC max.	275 V			
Nominal frequency [f _n]	50 - 60 Hz			
Discharge current max. (8/20) μs [I _{max}]	40 kA			
Nominal discharge surge current (8/20)	20 kA			
Voltage protection level [U _p]	1.25 kV			
Protection level max. (at 5kA)	0.9 kV			
Follow current [I _F]	0 kA			
follow current extinguishing capability [I _{fi}]	unendlich kA eff			
Response time [t _a]	0 ns			
TOV-voltage L-N [U _T]	440 Vac			
Short circuit resistance (I _{cw})	25 kA			
Fault indication	Mechanisch, Rot			
Temperature range	-40 - 85 °C			
Degree of protection	IP20			
Fuse max. (gG)	125 A			
Mounting on	Hutschiene 35 mm			
Signaling on the device	Optic			
Signaling contact	Yes			
Connection cross section solid / stranded max.	1.5 mm²			
Switching capacity signaling contact	250 V / 0,5 A (AC) - 30 V / 2 A (DC)			
System configuration	TN			TN-S
Short-circuit-proof	Yes			
Nominal cross section conductor	0 - 42 mm²			
Category type 2	Yes			
Mounting method	DIN rail (top hat rail) 35 mm			
With remote signalling contact	Yes			
Nominal discharge current [I _n]	20/Pol			
Integrated backup fuse	No			
Voltage protection level L-N [U _p]	1.25 kV			
Degree of protection (IP)	IP20			
Standards				
Homologation	VDE, ÖVE, UL			
Test standards International	IEC 61643-11			
Test standards USA	UL 1449 ed.3			
Test standards Europe	EN 61643-11			
Commercial specification				
Customs number	85363000			
country of origin	undefined			
Logistic specification				
VPE Weight	0.12 kg	0.212 kg	0.293 kg	0.37 kg



	296.046.401
Construction size	4 modular spacing
SPD type	T2
Number of poles	3+1
max. discharge current (I _{max})	40 kA
Nominal line voltage U _n AC	230 V
Continuous voltage AC max.	275 V
Nominal frequency [f _n]	50 - 60 Hz
Discharge current max. (8/20) μ s [I _{max}]	40 kA
Nominal discharge surge current (8/20)	20 kA
Voltage protection level [U _p]	1.25 kV
Protection level max. (at 5kA)	0.9 kV
Follow current [I _F]	0 kA
follow current extinguishing capability [I _{fi}]	unendlich kA eff
Response time [t _a]	0 ns
TOV-voltage L-N [U _T]	440 Vac
Short circuit resistance (I _{cw})	25 kA
Fault indication	Mechanisch, Rot
Temperature range	-40 - 85 °C
Degree of protection	IP20
Fuse max. (gG)	125 A
Mounting on	Hutschiene 35 mm
Signaling on the device	Optic
Signaling contact	Yes
Connection cross section solid / stranded max.	1.5 mm ²
Switching capacity signaling contact	250 V / 0,5 A (AC) - 30 V / 2 A (DC)
System configuration	
Short-circuit-proof	Yes
Nominal cross section conductor	0 - 42 mm ²
Category type 2	Yes
Mounting method	DIN rail (top hat rail) 35 mm
With remote signalling contact	Yes
Nominal discharge current [I _n]	20/Pol
Integrated backup fuse	No
Voltage protection level L-N [U _p]	1.25 kV
Degree of protection (IP)	IP20
Standards	
Homologation	VDE, ÖVE, UL
Test standards International	IEC 61643-11
Test standards USA	UL 1449 ed.3
Test standards Europe	EN 61643-11
Commercial specification	
Customs number	85363000
country of origin	undefined
Logistic specification	
VPE Weight	0.361 kg

