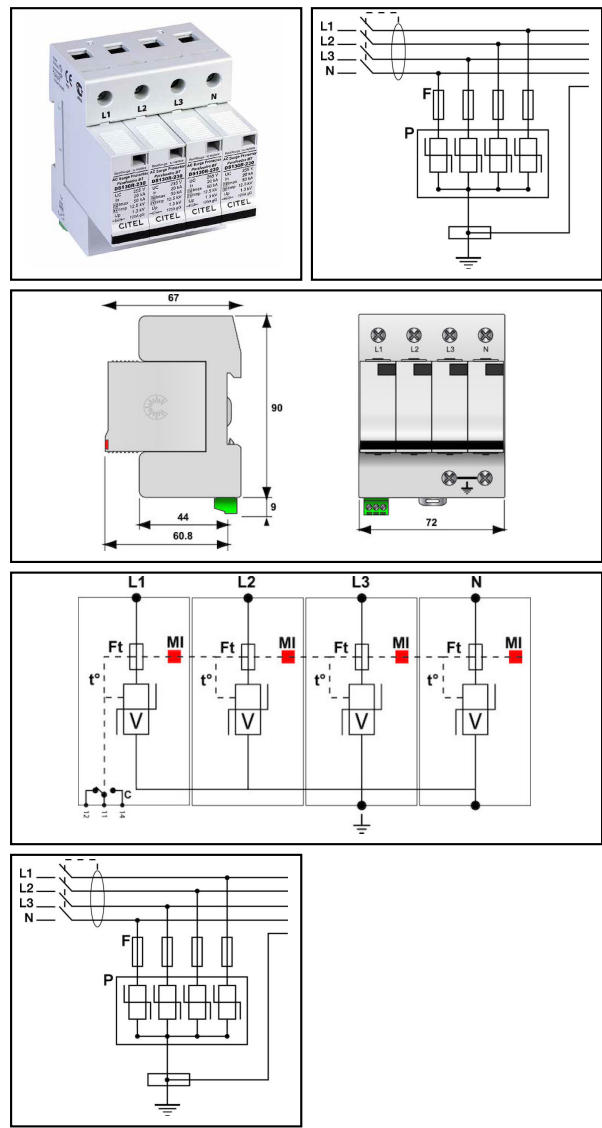


Surge Protection (Type 1)

■ DS 130 RS Overvoltage protection T1+T2



- Characteristics**
- surge protector type 1+2
 - limp = 12.5kA/pole (10/350µs)
 - optimized to TOV
 - pluggable module
 - remote signaling

Article-Nr.	E-Number	Typ/Type		kA I_{limp}	kA I_{max}	ns t_A	kV U_P	mm²		kA i_n
296.045.571	808 485 000	T1 / T2	1	12.5	50	0	1.3	0 - 42	Yes	20
296.045.572	808 486 000	T1 / T2	2	12.5	50	0	1.3	0 - 42	Yes	20
296.045.573	808 487 000	T1 / T2	3	12.5	50	0	1.3	0 - 42	Yes	20
296.045.574	808 488 000	T1 / T2	4	12.5	50	0	1.3	0 - 42	Yes	20
296.045.575	808 488 010	T1 / T2	3+1	12.5	50	0	1.3	0 - 42	Yes	20

Accessories										
Replacement module 296.045.570										
Article-Nr.	E-Number		Typ/Type							
296.045.570	808 490 030	TPE	T1 / T2						DS 130 RS	1



Technical Specifications: **Overvoltage protection T1+T2 DS 130 RS**

	296.045.571	296.045.572	296.045.573	296.045.574
SPD type	T1 / T2			
Number of poles	1	2	3	4
max. discharge current (I _{max})	50 kA			
Nominal line voltage Un AC	230 V			
Continuous voltage AC max.	280 V			
Nominal frequency [fn]	50 - 60 Hz			
Impulse current [I _{imp}] _{_(10/350)}	12.5 kA			
Discharge current max. (8/20) μs [I _{max}]	50 kA			
Nominal discharge surge current (8/20)	20 kA			
Voltage protection level [Up]	1.3 kV			
Follow current [IF]	0 kA			
follow current extinguishing capability [Ifi]	unendlich kA eff			
Response time [ta]	0 ns			
TOV-voltage L-N [UT]	440 Vac			
Short circuit resistance (I _{cw})	25 kA			
Fault indication	Mechanisch, Rot			
Temperature range	-40 - 85 °C			
Degree of protection	IP 20			
Fuse max. (gG)	160 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
Energetically coordinated protective effect to the terminal	Yes			
Nominal cross section conductor	0 - 42 mm²			
Material housing	Thermoplastik UL-94-V0			
Mounting method	DIN rail (top hat rail) 35 mm			
Remote signalling	Yes			
Degree of protection (IP)	IP20			
Construction size	1 modular spacing	2 modular spacing	3 modular spacing	4 modular spacing
Voltage protection level L-N [Up]	1.3 kV			
Total discharge current (8/20) (L N-PE)	50 kA			
Standards				
Homologation	VDE, ÖVE und 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	0.175 kg	0.316 kg	0.444 kg	0.575 kg



	296.045.575
SPD type	T1 / T2
Number of poles	3+1
max. discharge current (I _{max})	50 kA
Nominal line voltage U _n AC	230 V
Continuous voltage AC max.	280 V
Nominal frequency [f _n]	50 - 60 Hz
Impulse current [I _{imp}] (10/350)	12.5 kA
Discharge current max. (8/20) μ s [I _{max}]	50 kA
Nominal discharge surge current (8/20)	20 kA
Voltage protection level [U _p]	1.3 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 [UT]	440 Vac
Short circuit resistance (I _{cw})	25 kA
Fault indication	Mechanisch, Rot
Temperature range	-40 - 85 °C
Degree of protection	IP 20
Fuse max. (gG)	160 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	
Energetically coordinated protective effect to the terminal	Yes
Nominal cross section conductor	0 - 42 mm ²
Material housing	Thermoplastik UL-94-V0
Mounting method	DIN rail (top hat rail) 35 mm
Remote signalling	Yes
Degree of protection (IP)	IP20
Construction size	4 modular spacing
Voltage protection level L-N [U _p]	1.3 kV
Total discharge current (8/20) (L N-PE)	50 kA
Standards	
Homologation	VDE, ÖVE und 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	0.515 kg