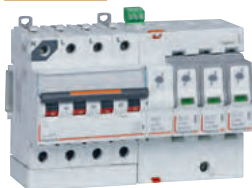


Type 2 (T2) SPDs

Protected



4 122 15



4 122 45



4 122 99

Technical characteristics p. 87 to 89

1P+N and 3P+N SPDs have encapsulated spark gap technology on the neutral-earth spur, which prevents earth leakage currents: no unwanted tripping of the residual current protection devices

These SPDs can be installed upstream the main earth leakage module

SPDs with plug-in modules and status indicators for neutral-earth spurs of xP+Ns and for all neutral-earth spurs of xPs:

- Green: SPD working

- Orange: plug-in modules need to be replaced

Conforming to standards EN/IEC 61643-11

Pack	Cat.Nos	SPDs with integrated short-circuit protection $I_{sc} \leq 25$ kA			
		T2 - I_{max} 20 kA			
		Up 2.5 kV, U _c 320 V \sim			
		Type 2 characteristic: In 5 kA, I _{max} 20 kA			
		Neutral earthing systems: TT, TNS			
		Number of poles	Neutral position	Status feedback (SD auxiliary)	Number of modules
1	4 122 10	1P+N	Left	Yes	4
1	4 122 12	1P+N	Right	Yes	4
1	4 122 11	3P+N	Left	Yes	8
1	4 122 13	3P+N	Right	Yes	8
		T2 - I_{max} 40 kA			
		Up 2.5 kV, U _c 320 V \sim			
		Type 2 characteristic: In 20 kA, I _{max} 40 kA			
		Neutral earthing systems: TT, TNS			
1	4 122 14	1P+N	Left	Yes	4
1	4 122 16	1P+N	Right	Yes	4
1	4 122 15	3P+N	Left	Yes	8
1	4 122 17	3P+N	Right	Yes	8

Pack	Cat.Nos	SPDs without short-circuit protection			
		T2 - I_{max} 20 kA			
		Up 1.2 kV, U _c 320 V \sim			
		Type 2 characteristic: In 5 kA, I _{max} 20 kA			
		Neutral earthing systems: TT, TNC, TNS			
		Protection against short-circuited end of life to be added:			
		DX ³ 20 A - C curve			
		Number of poles	Neutral position	Status feedback (SD auxiliary)	Number of modules
1	4 122 20	1P	-	No	1
1	4 122 24	1P+N	Left	No	2
1	4 122 26	1P+N	Right	No	2
1	4 122 21	2P	-	No	2
1	4 122 25	3P+N	Left	No	4
1	4 122 27	3P+N	Right	No	4
1	4 122 23	4P	-	No	4
		T2 - I_{max} 40 kA			
		Up 1.7 kV, U _c 320 V \sim			
		Type 2 characteristic: In 20 kA, I _{max} 40 kA			
		Neutral earthing systems: TT, TNC, TNS			
		Protection against short-circuited end of life to be added:			
		DX ³ 40 A - C curve			
1	4 122 40	1P	-	No	1
1	4 122 44	1P+N	Left	No	2
1	4 122 46	1P+N	Right	No	2
1	4 122 41	2P	-	No	2
1	4 122 42	3P	-	Yes	3
1	4 122 45	3P+N	Left	No	4
1	4 122 47	3P+N	Right	No	4
1	4 122 43	4P	-	No	4

Pack	Cat.Nos	SPDs without short-circuit protection (continued)			
		T2 - I_{max} 40 kA - U_c 440 V\sim (IT)			
		SPDs suitable for the high voltages which appear between the poles if a second fault occurs in IT systems			
		Up 2.1 kV, U _c 440 V \sim			
		Type 2 characteristic: In 20 kA, I _{max} 40 kA			
		Neutral earthing systems: TT, TNC, TNS, IT			
		Protection against short-circuited end of life to be added:			
		DX ³ 40 A - C curve			
		Number of poles	Neutral position	Status feedback (SD auxiliary)	Number of modules
1	4 122 30	1P	-	No	1
1	4 122 32	3P	-	Yes	3
1	4 122 33	4P	-	Yes	4

Pack	Cat.Nos	Plug-in replacement modules			
		Up 2.5 kV, U _c 320 V \sim			
		Type 2 characteristic: In 20 kA, I _{max} 40 kA			
		Neutral earthing systems: TT, TNS			
1	4 122 99	For T2/40 kA SPDs			
		Cat.Nos 4 122 14/15/16/17/40/41/42/43/44/45/46/47 and former Cat.Nos 4 122 04/05/64/65/66/67			
1	4 123 00	For T2/40 kA SPDs (N-PE module)			
		Cat.Nos 4 122 44/45			
1	4 123 01	For T2/40 kA (440 V) SPDs			
		Cat.Nos 4 122 30/32/33			
1	4 122 17	For T2/20 kA SPDs (N-PE module)			
		Cat.Nos 4 122 24/25			
1	4 122 97	For T2/20 kA SPDs Cat.Nos 4 122 10/11/20/24/25 and former Cat.Nos 4 122 60/61			