

Table of tolerance zones at 1mA

Item Code	Product name	Voltage tolerance zones for type revision purposes products			
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})		
81.001	PO I 1 280V/12,5kA	387	473		
81.002	PO I 2 280V/12,5kA				
81.003	PO I 3 280V/12,5kA				
81.004	PO I 4 280V/12,5kA				
81.005	PO I 1 R 280V/12,5kA				
81.006	PO I 2 R 280V/12,5kA				
81.007	PO I 3 R 280V/12,5kA				
81.008	PO I 4 R 280V/12,5kA				
81.023	PO I 1 EWS 280V/12,5kA				
81.024	PO I 2 EWS 280V/12,5kA				
81.013	PO I 3 EWS 280V/12,5kA				
81.014	PO I 4 EWS 280V/12,5kA				
81.025	PO I 1 R EWS 280V/12,5kA				
81.026	PO I 2 R EWS 280V/12,5kA				
81.015	PO I 3 R EWS 280V/12,5kA				
81.016	PO I 4 R EWS 280V/12,5kA				
81.009	PO I 1+1 280V/12,5kA				
81.011	PO I 1+1 R 280V/12,5kA				
81.027	PO I 3+1m 280V/12,5kA				
81.028	PO I 3+1m R 280V/12,5kA				
81.029	PO I 3+1m EWS 280V/12,5kA				
81.030	PO I 3+1m R E. 280V/12,5kA				
81.031	PO I 1+1m 280V/12,5kA				
81.032	PO I 1+1m R 280V/12,5kA				
82.021	PO II 1 75V/40kA			108	132
82.022	PO II 2 75V/40kA				
82.023	PO II 1 R 75V/40kA				
82.024	PO II 2 R 75V/40kA				
82.056	PO II 0 75V/40kA				
82.025	PO II 1 130V/40kA			184,5	225,5
82.026	PO II 2 130V/40kA				
82.027	PO II 3 130V/40kA				
82.028	PO II 4 130V/40kA				
82.029	PO II 1 R 130V/40kA				
82.030	PO II 2 R 130V/40kA				
82.031	PO II 3 R 130V/40kA				
82.032	PO II 4 R 130V/40kA				
82.001	PO II 1 280V/40kA	387	473		
82.002	PO II 2 280V/40kA				
82.003	PO II 3 280V/40kA				
82.004	PO II 4 280V/40kA				
82.005	PO II 1 R 280V/40kA				
82.006	PO II 2 R 280V/40kA				
82.007	PO II 3 R 280V/40kA				
82.008	PO II 4 R 280V/40kA				
82.068	PO II 1 EWS 280V/40kA				
82.069	PO II 2 EWS 280V/40kA				

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Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
82.013	PO II 3 EWS 280V/40kA	387	473
82.014	PO II 4 EWS 280V/40kA		
82.070	PO II 1 R EWS 280V/40kA		
82.071	PO II 2 R EWS 280V/40kA		
82.015	PO II 3 R EWS 280V/40kA		
82.016	PO II 4 R EWS 280V/40kA		
82.017	PO II 1+1 280V/40kA		
82.062	PO II 2+1 280V/40kA		
82.018	PO II 3+1 280V/40kA		
82.019	PO II 1+1 R 280V/40kA		
82.063	PO II 2+1 R 280V/40kA		
82.020	PO II 3+1 R 280V/40kA		
82.033	PO II 1 385V/40kA	558	682
82.034	PO II 2 385V/40kA		
82.035	PO II 3 385V/40kA		
82.036	PO II 4 385V/40kA		
82.037	PO II 1 R 385V/40kA		
82.038	PO II 2 R 385V/40kA		
82.039	PO II 3 R 385V/40kA		
82.040	PO II 4 R 385V/40kA		
82.041	PO II 3+1 385V/40kA		
82.042	PO II 3+1 R 385V/40kA		
82.043	PO II 1 550V/40kA		
82.044	PO II 2 550V/40kA		
82.045	PO II 3 550V/40kA		
82.046	PO II 4 550V/40kA		
82.047	PO II 1 R 550V/40kA		
82.048	PO II 2 R 550V/40kA		
82.049	PO II 3 R 550V/40kA		
82.050	PO II 4 R 550V/40kA		
82.051	PO II 2+1 550V/40kA		
82.052	PO II 2+1 R 550V/40kA		
82.088	PO II 1 750V/30kA	1080	1320
82.089	PO II 2 750V/30kA		
82.090	PO II 3 750V/30kA		
82.091	PO II 4 750V/30kA		
82.092	PO II 1 R 750V/30kA		
82.093	PO II 2 R 750V/30kA		
82.094	PO II 3 R 750V/30kA		
82.095	PO II 4 R 750V/30kA		
82.096	PO II 2+1 750V/30kA		
82.097	PO II 3+1 750V/30kA		
82.098	PO II 2+1 R 750V/30kA		
82.099	PO II 3+1 R 750V/30kA		

Note: Products that have the name "+1" and "+ 1m" include a gas discharge tube (in short GDT). The GDT modules are not tested with the specified voltages!

Table of tolerance zones at 1mA

Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
81.250	POm I 280V/25kA	387	473
81.255	POm I R 280V/25kA		
81.261	POm I 1+1 280V/25kA		
81.262	POm I 1+1 R 280V/25kA		
81.253	POm I 3 280V/25kA		
81.257	POm I 3 R 280V/25kA		
81.259	POm I 3+1 280V/25kA		
81.260	POm I 3+1 R 280V/25kA		
81.254	POm I 4 280V/25kA		
81.258	POm I 4 R 280V/25kA		

Table of tolerance zones at 1mA

Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
81.290	PO I 2 PV 300V DC U	387	473
81.291	PO I 2 R PV 300V DC U		
81.216	PO I 2 PV 600V DC U	819	1001
81.217	PO I 2 R PV 600V DC U		
81.058	PO I 3 PV 600 VDC Y	387	473
81.059	PO I 3 R PV 600 V DC Y		
81.060	PO I 2+1 PV 600 V DC Y		
81.061	PO I 2+1 R PV 600 V DC Y		
81.266	PO I 3 PV 800 VDC Y	558	682
81.267	PO I 3 R PV 800 VDC Y		
81.183	PO I 3 PV 1000 VDC Y	819	1001
81.184	PO I 3 R PV 1000 VDC Y		
81.062	PO I 5 PV 1000 VDC Y	387	473
81.063	PO I 5 R PV 1000 VDC Y		
81.220	PO I 5 PV 1000 VDC 2 okr. Y	819	1001
81.221	PO I 5 R PV 1000 VDC 2 okr. Y		
81.064	PO I 4+1 PV 1000 VDC Y	387	473
81.065	PO I 4+1 R PV 1000 VDC Y		
81.288	PO I 5 PV 1500 VDC Y	819	1001
81.289	PO I 5 R PV 1500 VDC Y		

Table of tolerance zones at 1mA

Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
81.310	PO I 1 LCF 25kA	Immeasurable, the SPD status indication is optical: Ok - green signaling Not OK - red signaling (instant exchange)	
81.316	PO I 1 R LCF 25kA		
81.311	PO I 2 LCF 50kA		
81.317	PO I 2 R LCF 50kA		
81.312	PO I 3 LCF 75kA		
81.318	PO I 3 R LCF 75kA		
81.313	PO I 4 LCF 100kA		
81.319	PO I 4 R LCF 100kA		
81.314	PO I 1+1m LCF 50kA		
81.320	PO I 1+1m R LCF 50kA		
81.315	PO I 3+1m LCF 100kA		
81.321	PO I 3+1m R LCF 100kA		
81.322	PO I 0 LCF 25kA		

Note: Products that have the name "+1" and "+ 1m" include a gas discharge tube (in short GDT). The GDT modules are not tested with the specified voltages!

Table of tolerance zones at 1mA

Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
83.001	PO I 1z 280V/12,5kA	387	473
83.002	PO I 2z 280V/12,5kA		
83.003	PO I 3z 280V/12,5kA		
83.004	PO I 4z 280V/12,5kA		
83.005	PO I 1z R 280V/12,5kA		
83.006	PO I 2z R 280V/12,5kA		
83.007	PO I 3z R 280V/12,5kA		
83.008	PO I 4z R 280V/12,5kA		
83.023	PO I 1z EWS 280V/12,5kA		
83.024	PO I 2z EWS 280V/12,5kA		
83.013	PO I 3z EWS 280V/12,5kA		
83.014	PO I 4z EWS 280V/12,5kA		
83.025	PO I 1z R EWS 280V/12,5kA		
83.026	PO I 2z R EWS 280V/12,5kA		
83.015	PO I 3z R EWS 280V/12,5kA		
83.016	PO I 4z R EWS 280V/12,5kA		
83.009	PO I 1+1z 280V/12,5kA		
83.011	PO I 1+1z R 280V/12,5kA		
81.200	PO I 1 e 280V/7kA	387	473
81.204	PO I 1+1 e 280V/7kA		
81.201	PO I 3 e 280V/7kA		
81.210	PO I 4 e 280V/7kA		
81.202	PO I 1 e R 280V/7kA		
81.205	PO I 1+1 e R 280V/7kA		
81.203	PO I 3 e R 280V/7kA		
81.211	PO I 4 e R 280V/7kA		
81.206	PO I 3+1m e 280V/7kA		
81.207	PO I 3+1m e R 280V/7kA		
84.025	PO II 1z 130V/40kA	184,5	225,5
84.026	PO II 2z 130V/40kA		
84.027	PO II 3z 130V/40kA		
84.028	PO II 4z 130V/40kA		
84.029	PO II 1z R 130V/40kA		
84.030	PO II 2z R 130V/40kA		
84.031	PO II 3z R 130V/40kA		
84.032	PO II 4z R 130V/40kA		
84.001	PO II 1z 280V/40kA	387	473
84.002	PO II 2z 280V/40kA		
84.003	PO II 3z 280V/40kA		
84.004	PO II 4z 280V/40kA		
84.005	PO II 1z R 280V/40kA		
84.006	PO II 2z R 280V/40kA		
84.007	PO II 3z R 280V/40kA		
84.008	PO II 4z R 280V/40kA		
84.068	PO II 1z EWS 280V/40kA		
84.069	PO II 2z EWS 280V/40kA		

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Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
84.013	PO II 3z EWS 280V/40kA	387	473
84.014	PO II 4z EWS 280V/40kA		
84.070	PO II 1z R EWS 280V/40kA		
84.071	PO II 2z R EWS 280V/40kA		
84.015	PO II 3z R EWS 280V/40kA		
84.016	PO II 4z R EWS 280V/40kA		
84.017	PO II 1+1z 280V/40kA		
84.062	PO II 2+1z 280V/40kA		
84.018	PO II 3+1z 280V/40kA		
84.019	PO II 1+1z R 280V/40kA		
84.063	PO II 2+1z R 280V/40kA		
84.020	PO II 3+1z R 280V/40kA		
84.033	PO II 1z 385V/40kA	558	682
84.034	PO II 2z 385V/40kA		
84.035	PO II 3z 385V/40kA		
84.036	PO II 4z 385V/40kA		
84.037	PO II 1z R 385V/40kA		
84.038	PO II 2z R 385V/40kA		
84.039	PO II 3z R 385V/40kA		
84.040	PO II 4z R 385V/40kA		
84.041	PO II 3+1z 385V/40kA		
84.042	PO II 3+1z R 385V/40kA		
84.043	PO II 1z 550V/40kA	819	1001
84.044	PO II 2z 550V/40kA		
84.045	PO II 3z 550V/40kA		
84.046	PO II 4z 550V/40kA		
84.047	PO II 1z R 550V/40kA		
84.048	PO II 2z R 550V/40kA		
84.049	PO II 3z R 550V/40kA		
84.050	PO II 4z R 550V/40kA		
84.051	PO II 2+1z 550V/40kA		
84.052	PO II 2+1z R 550V/40kA		

Note: Products that have the name "+1" and "+ 1m" include a gas discharge tube (in short GDT). The GDT modules are not tested with the specified voltages!

Table of tolerance zones at 1mA

Item Code	Product name	Voltage tolerance zones for type revision purposes products	
		lowest voltage value (V _{DC})	highest voltage value (V _{DC})
82.186	POPV II 2 F 100V DC U	108	132
82.187	POPV II 2 F R 100V DC U		
82.184	POPV II 2 F 200V DC U	387	473
82.185	POPV II 2 F R 200V DC U		
82.168	POPV II 2 F 300V DC U	387	473
82.167	POPV II 2 F R 300V DC U		
82.180	POPV II 2 F 500V DC U	558	682
82.181	POPV II 2 F R 500V DC U		
82.125	POPV II 2 F 600V DC U	819	1001
82.126	POPV II 2 F R 600V DC U		
82.166	POPV II 3 F 800V DC Y	558	682
82.167	POPV II 3 F R 800V DC Y		
82.174	POPV II 2 F 1000V DC Y	1729	1911
82.175	POPV II 2 F R 1000V DC Y		
82.107	POPV II 3 F 1000V DC Y	819	1001
82.108	POPV II 3 F R 1000V DC Y		
82.172	POPV II 3 F 1500V DC Y	1080	1320
82.173	POPV II 3 F R 1500V DC Y		
82.113	PO II 3 PH 600V DC/40kA Y	387	473
82.114	PO II 3 R PH 600V DC/40kA Y		
82.072	PO II 3 PH 1000V DC/40kA Y	819	1001
82.073	PO II 3 R PH 1000V DC/40kA Y		

Updated on 25.3.2024, Nitra, SK

Note: Products that have the name "+1" and "+ 1m" include a gas discharge tube (in short GDT). The GDT modules are not tested with the specified voltages!