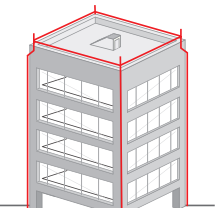


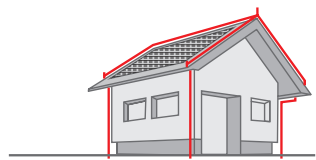
Selection Guide for Suitable Lightning and Surge Protection Devices in Residential and Commercial Buildings

Building Type	Applications	Main Distribution Installation				Sub-distribution Installation		End-device Installs		
	Lightning Protection Level I and II Building	Main Distribution Source or System Power Source				Distance to Main Distribution >10m		Distance to Main or Sub-distribution >10m		
		TYPE 1+2	 ProTec T1S-275-3+1 59.0748	 TN-S/TT		TYPE 2	 ProTec T2-300-3+1 59.0121	TN-S/TT	 ProLED 275 (3+1)16A 130 304	
	 ProTec T1S-275-3+1-R* 59.0749		 ProTec T2-300-3+1-R* 59.0122							
	Lightning Protection Level III and IV Building	TYPE 1+2	 ProTec T1H-300-3+1 59.0320	 TN-S/TT	TYPE 1+2	 ProTec T1-300-3+1 59.0059	TN-S/TT	TYPE 2	TN-C	 ProTec T2-300-3+0 59.0093
			 ProTec T1H-300-3+1-R* 59.0321							
Building with Overhead Line Feed	TYPE 1+2	 ProTec T1H-300-3+0 59.0314	 TN-C	TYPE 1+2	 ProTec T1-300-3+0 59.0031	TN-C	TYPE 2	TN-C	 ProTec T2-300-3+0-R* 59.0094	
		 ProTec T1H-300-3+0-R* 59.0315								 ProTec T1-300-3+0-R* 59.0032
Building with no External Lightning Protection	TYPE 1+2	 ProTec T1H-300-3+1 59.0320	 TN-S/TT	TYPE 1+2	 ProTec T1-300-3+1 59.0059	TN-S/TT	TYPE 2	TN-S/TT	 ProTec T2-300-3+1 59.0121	
		 ProTec T1H-300-3+1-R* 59.0321								 ProTec T1-300-3+1-R* 59.0060
	TYPE 1+2	 ProTec T1H-300-3+0 59.0314	 TN-C	TYPE 2	 ProTec T2-300-3+0 59.0031	TN-C	TYPE 2	TN-C	 ProTec T2-300-3+0 59.0093	
		 ProTec T1H-300-3+0-R* 59.0315								 ProTec T2-300-3+0-R* 59.0032
					 ProTec T2-300-3+1 59.0121				 ProTec T2-300-3+1-R* 59.0122	
					ProTec T2-300-3+0 59.0093				ProTec T2-300-3+0-R* 59.0094	

Note: Install as close as possible to protected terminal / end-device



Selection Guide for Suitable Lightning and Surge Protection Devices in Residential and Commercial Buildings

Applications		AC Side		DC Side			
Buildings with Photovoltaic Systems	Building with External Lightning Protection			Complete Solution			
	Building with no External Lightning Protection	TYPE 1+2		ProTec T1H-300-3+1 59.0320	TYPE 1		ProTec T1-1100PV-3Y-L-Box 515608 (1×MPP)
				ProTec T1H-300-3+1-R* 59.0321			ProTec T1-1100PV-5Y-L-Box 515609 (2×MPP)
				ProTec T1H-300-3+0 59.0314			ProTec T1-1500PV-3Y-L-Box 515612 (1×MPP)
			ProTec T1H-300-3+0-R* 59.0315		ProTec T1-1500PV-5Y-L-Box 515613 (2×MPP)		
		TYPE 2		ProTec T2-300-3+1 59.0121	TYPE 2		ProTec T2-1100PV-3Y-L-Box 515546 (1×MPP)
				ProTec T2-300-3+1-R* 59.0122			ProTec T2-1100PV-5Y-L-Box 515545 (2×MPP)

Applications		Holistic Protection Products	
Additional Surge Protection Devices for Buildings	Telephone		Signal Protection ADSL , ADSL2, ADSL2+, VDSL, VDSL2
	Data Interfaces		Power Over Ethernet (PoE) Cat 6 Connection
	TV		TV and Cable TV Connections (CATV)
	Satellite Antenna (SAT)		SAT Antenna with F Connector

