

SHORT SELECTION GUIDE

Surge protective devices

Power line protection AC

Detailed product description

Type of building to be protected	Main Distribution Board T1 (+T2)	Product name	Product code	Sub distribution board T2	Product code	
<p>Industrial areas, offices, public, big residential buildings</p>		TN-S and TT systems with 230/400 V		Distance to sub distribution > 10 meters		
		OVR T1-T2 3N 100-255 P TS 2CTB812111R2300		OVR T2 3N 40-275 P QS 2CTB803973R1100	OVR T2 3N 40-275 P TS QS 2CTB803973R0500	
		TN-C systems with 230/400 V		Distance to sub distribution > 10 meters		
		OVR T1-T2 3L 75-255 P TS 2CTB812751R2300		OVR T2 3L 40-275 P QS 2CTB803873R2400	OVR T2 3L 40-275 P TS QS 2CTB803873R2500	
– Optional Auxiliary contact (TS)				– Optional Auxiliary contact (TS)		
<p>Residential building with lightning rod, overhead power line or antenna</p>		TN and TT systems with 230/400 V		Distance to sub distribution board and loads > 10 meters		
		OVR T1-T2 3N 12.5-275s P QS 2CTB825101R1300		OVR T2-T3 3N 20-275 P QS QS 2CTB803973R1200	OVR T2-T3 3N 20-275 P TS QS 2CTB803973R1600	
		OVR T1-T2 3N 12.5-275s P TS QS 2CTB825101R0600				
		– Extended protection with additional varistor – Optional Auxiliary contact (TS)				– Optional Auxiliary contact (TS)
<p>Residential building without lightning rod, overhead power lines or antenna</p>		TN and TT systems with 230/400 V		Distance between sub distribution board and loads < 10 meters		
		OVR T2 3N 40-275 P QS 2CTB803973R1100				
		OVR T2 3N 40-275 P TS QS 2CTB803973R0500				
		TT (3 phases without neutral) + TN-C systems with 230/400 V				
		OVR T2 3L 40-275 P QS 2CTB803873R2400				
OVR T2 3L 40-275 P TS QS 2CTB803873R2500				Not need for extra protection		
– Optional Auxiliary contact (TS)						

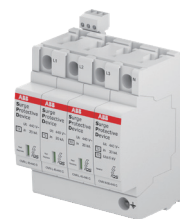
Back-up protection MCB/Fuse



Protection for photovoltaic (PV) installations



DC voltage	Direct current (DC)	Product code	Alternating current (AC)	Product code	
1100 V	OVR PV T2 40-1000 P	2CTB802400R1000	3 Phases		
	OVR PV T2 40-1000 P TS	2CTB802401R1000		OVR T2 3N 40-275 P QS	2CTB803973R1100
	OVR PV T1-T2 5-1000 P QS	2CTB812050R1000	1 Phase	OVR T2 3N 40-275 P TS QS	2CTB803973R0500
	OVR PV T1-T2 5-1000 P TS QS	2CTB812051R1000			
	OVR PV T1-T2 12.5-1000 P QS	2CTB812120R1000			
	OVR PV T1-T2 12.5-1000 P TS QS	2CTB812121R1000			
1500 V	OVR PV T2 40-1500 P	2CTB802400R1500	OVR T2 1N 40-275 P QS	2CTB803972R1100	
	OVR PV T2 40-1500 P TS	2CTB802401R1500	– Optional Auxiliary contact (TS)		
	OVR PV T1-T2 5-1500 P QS	2CTB812050R1500			
	OVR PV T1-T2 5-1500 P TS QS	2CTB812051R1500			
	OVR PV T1-T2 10-1500 P QS	2CTB812100R1500			
	OVR PV T1-T2 10-1500 P TS QS	2CTB812100R1500			



– Optional Auxiliary contact (TS)

ABB Group
Electrification Business Area
Smart Buildings Division

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