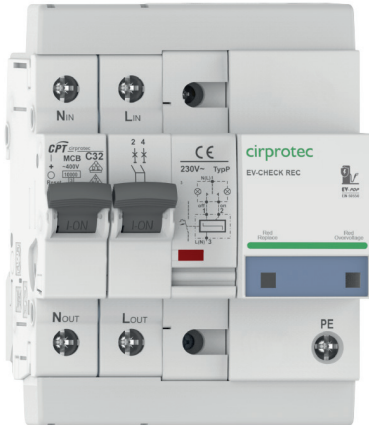


EV-CHECK REC

E-Mobility Overvoltage Protection Devices
EV SPD+POP Autocloser



General Data

No. DIN rail modules	5
Network configuration	TT, TNS
IEC SPD Type	Class II
EN SPD Type	Type 2
Protection Modes	L-N / N-PE
Product standards	EN 50550; UNE 50550; IEC 63052; EN 61643-11
Certifications	CE



PART NUMBERS

XX	6	10	16	20	25	32	40
EV-CHECK REC XX	77706269	77706270	77706271	77706272	77706273	77706274	77706275

MINIATURE CIRCUIT BREAKER (MCB)

EV-CHECK REC XX	6	10	16	20	25	32	40
MCB Nominal current - In (IGA) [A]	6	10	16	20	25	32	40
No. poles + configuration	2 Poles, 2P						
Tripping curve	C						
Frequency [Hz]	50						
Breaking capacity EN 60898 - Icn [A]	10000						
Breaking capacity EN 60947-2 - Icn [kA]	15						

POWER FREQUENCY OVERVOLTAGE PROTECTOR (POP)

EV-CHECK REC XX	6	10	16	20	25	32	40
Actuation method	Integrated MCB						
Automatic reconnection	Yes						

Limit values for response and non-response times according to UNE-EN 50550:

Voltagess (V)	255	275	300	350	400
Maximum break time (s)	No tripping	15	5	0,75	0,20
Minimum non-actuating time (s)	No tripping	3	1	0,25	0,07

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

EV-CHECK REC XX	6	10	16	20	25	32	40
Maximum continuous operating voltage (AC) - Uc (L-N) [V]	255						
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	255						
Nominal voltage AC 50-60 Hz - Un [V]	230						
Nominal discharge current (8/20) - In (L-N) [kA]	5						
Nominal discharge current (8/20) - In (N-PE) [kA]	10						
Max Discharge Current (8/20) - I _{max} [kA]	15						
Voltage protection level at In - Up (L-N) [kV]	≤1,5						

DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2023 Cirprotec SLU | All rights reserved

cirprotec

EV-CHECK REC

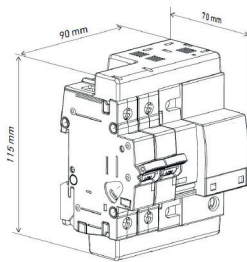
Continue EV-CHECK REC **XX**

EV-CHECK REC XX	6	10	16	20	25	32	40
Voltage protection level at In - Up (N-PE) [kV]				≤1,5			
Response time - tA (L-N) [ns]				<25			
Response time - tA (N-PE) [ns]				<100			
Dynamic thermal disconnection				Yes			
Thermal protection behaviour				OCM (Open Circuit Mode)			

MECHANICAL AND ENVIRONMENTAL FEATURES

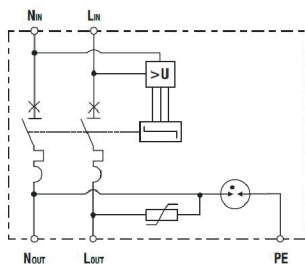
EV-CHECK REC XX	6	10	16	20	25	32	40
Temperature range [°C]				-5 ... 40			
Humidity range [%]				5 ... 95			
Housing color				Grey RAL 7035			
Indication System Type				Green (OK) / Not Green (replace); Voltage LED			
Enclosure - IP				IP20			
Torque rating [N.m]				2.5			
Solid conductor cross section				1...25mm ² (L-N) / 6...25mm ² (PE)			
Stranded conductor cross section				1...25mm ² (L-N) / 6...25mm ² (PE)			

DIMENSIONS AND WEIGHT



EV-CHECK REC XX	6	10	16	20	25	32	40
Net Weight [Kg]				0.498			
Gross weight [Kg]				0.542			
Packaging dimensions (H x W x L) [mm]				94 × 82 × 127			

INTERNAL CONFIGURATION



DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2023 Cirprotec SLU | All rights reserved

cirprotec