

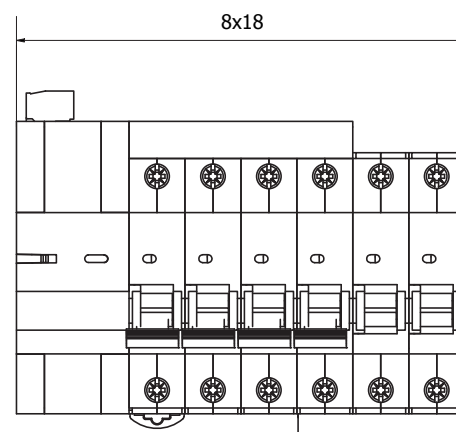
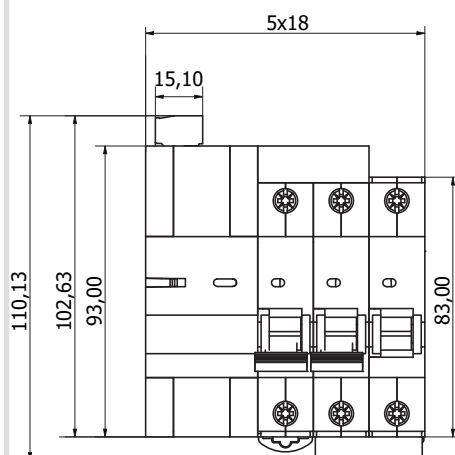
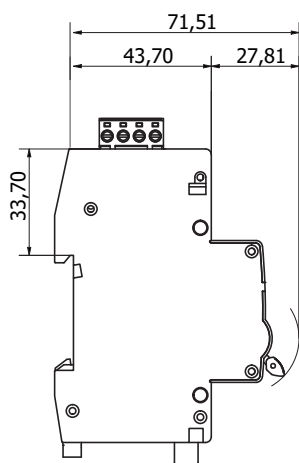


COMBI-PRO-MAX

2.1

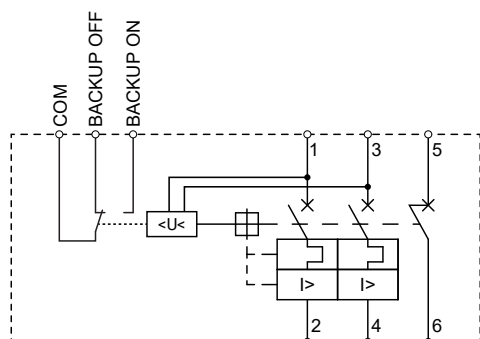
Control and protection system for **backup applications and island operation**. Integrates POP, ARD and MCB.

Dimensions

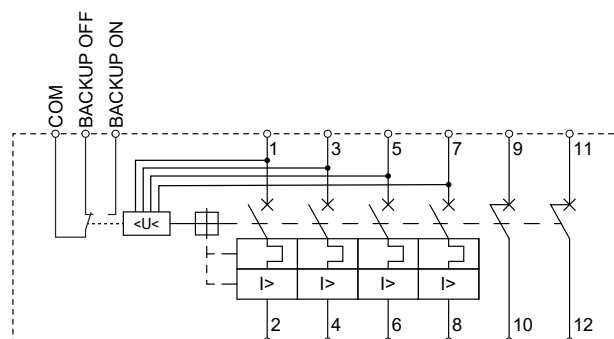


Electrical diagrams

COMBI-PRO-MAX-2P-2.1



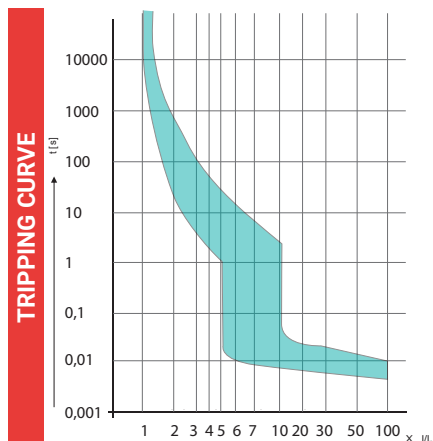
COMBI-PRO-MAX-4P-2.1





Technical specifications

		COMBI-PRO-MAX-2P-2.1	COMBI-PRO-MAX-4P-2.1
GENERAL	Rated Voltage Un	230 VAC (L/N) / 400 VAC (L/L)	
	Supply frequency	50-60 Hz	
	Maximum power consumption	5 W	
	Rated power consumption	1.5 W	
	Maximum terminal cross-section	25 mm² (power) / 2.5 mm² (control)	
	Environmental limits	-25° +55° C / 93% H.R.	
	N° of DIN modules	5	8
BACKUP	Response time	2 s	
	Reconnection time	180 s	
	Contact	12 VAC/VDC, 0.1 A	
PERM.	Disconnection voltage	according to IEC 63052	
	Disconnection time		
	Reconnection voltage	<255 V ± 2 %	
	Reconnection time	200 s ± 5 %	
UNDERVOLT.	Disconnection voltage	<170 V ± 2 %	
	Disconnection time	10 s ± 5 %	
	Reconnection voltage	>200 V ± 2 %	
	Reconnection time	200 s ± 5 %	
MCB	Rated current In	16, 20, 25, 32, 40, 50, 63 A (according to model)	
	Tripping curve code	C	
	Energy limiting class	3	
	Insulation voltage Ui	500 V	
	Rated impulse withstand voltage Uimp	4 kV	
	Breaking Capacity (I _{cn})	6 kA	
	Rated operating short circuit breaking capacity (Ics)	6 kA	
MECHANICAL	Protection degree	IP20	
	Pollution degree	2	
	Power terminal torque	2.5 Nm	
	Mounting	Rail DIN 35 mm	
	Approx. average weight	450 g	700 g
	Approx. packed weight	500 g	800 g
	Dimensions (width x height x depth)	90 x 90 x 71 mm	140 x 90 x 71 mm
COMPLIANCE	POP	IEC 63052	
	MCB	IEC 60898	
	ARD	IEC 63024	
	Directives	RETIE 19757 / 375	
		TOR WECHSELRICHTERLISTE APPROVED	
		2014/35/UE (LVD)	
		2014/30/UE (EMC)	
		2011/65/UE (RoHS)	
		NG CURVE </	





Models

COMBI-PRO-MAX-2P-2.1

Code	Reference
10006161	COMBI-PRO-MAX-2P16-2.1
10006162	COMBI-PRO-MAX-2P20-2.1
10006163	COMBI-PRO-MAX-2P25-2.1
10006164	COMBI-PRO-MAX-2P32-2.1
10006165	COMBI-PRO-MAX-2P40-2.1
10006166	COMBI-PRO-MAX-2P50-2.1
10006167	COMBI-PRO-MAX-2P63-2.1

COMBI-PRO-MAX-4P-2.1

Code	Reference
10006168	COMBI-PRO-MAX-4P16-2.1
10006169	COMBI-PRO-MAX-4P20-2.1
10006170	COMBI-PRO-MAX-4P25-2.1
10006171	COMBI-PRO-MAX-4P32-2.1
10006172	COMBI-PRO-MAX-4P40-2.1
10006173	COMBI-PRO-MAX-4P50-2.1
10006174	COMBI-PRO-MAX-4P63-2.1

Compatible inverters

COMBI-PRO-MAX-2.1 2P	COMBI-PRO-MAX-2.1 4P
Huawei SUN2000-(2KTL-6KTL)-L1	Huawei SUN2000-(3KTL-12KTL)-M1
Huawei SUN2000-(8K-10K)-LB0	Huawei SUN2000-(12K-25K)-MB0
Huawei SUN2000-(3K-6K)-LB0	Huawei SUN5000-(17K,25K)-MB0
	Huawei SUN2000-(5K-12K)-MAP0
	Huawei SUN5000-(8K,12K)-MAP0

Scan for more
information:

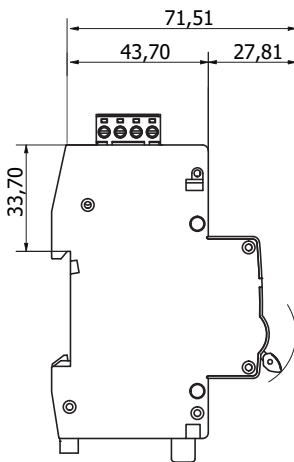




COMBI-PRO-MAX 2.1

Steuerungs- und Schutzsystem **für Backup-Anwendungen und Inselbetrieb.**
Integriert POP, ARD und MCB.

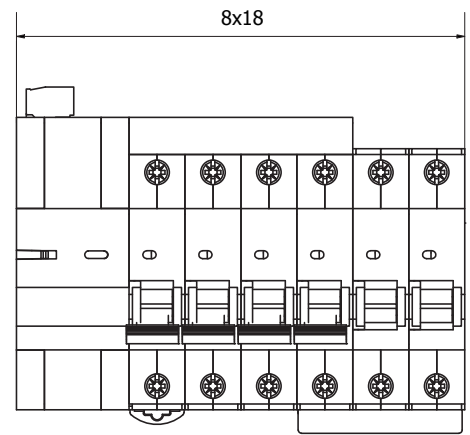
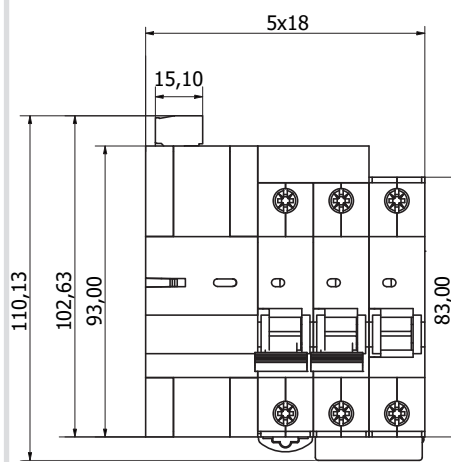
Abmessungen



COMBI-PRO-MAX-2P-2.1

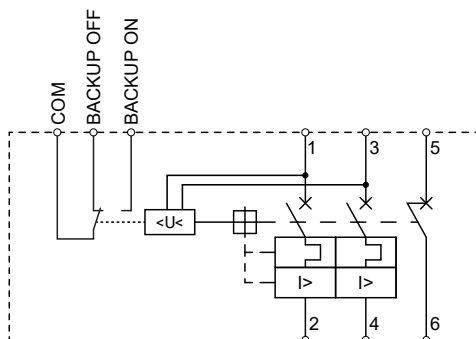


COMBI-PRO-MAX-4P-2.1

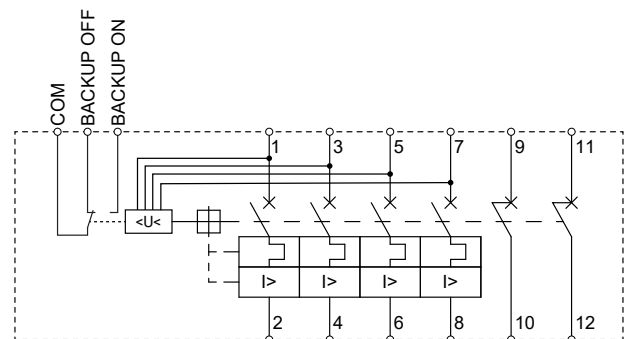


Elektrische Schaltpläne

COMBI-PRO-MAX-2P-2.1



COMBI-PRO-MAX-4P-2.1

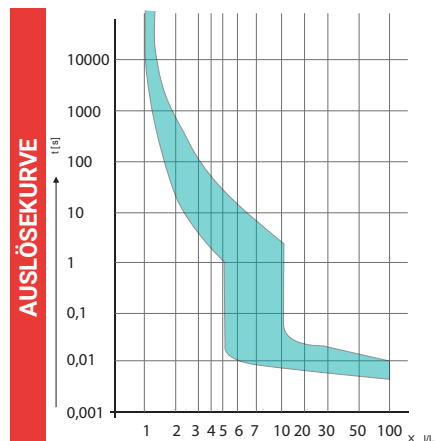




Technische Daten

		COMBI-PRO-MAX-2P-2.1	COMBI-PRO-MAX-4P-2.1
ALLGEMEIN	Nennspannung U_n	230 VAC (L/N) / 400 VAC (L/L)	
	Frequenz	50-60 Hz	
	Maximale Leistungsaufnahme	5 W	
	Nennleistungsaufnahme	1.5 W	
	Maximaler Klemmenquerschnitt	25 mm ² (leistung) / 2.5 mm ² (steuerung)	
	Umgebungsgrenzen	-25° +55° C / 93% H.R.	
	Anzahl DIN-Module	5	8
BACKUP	Ansprechzeit	2 s	
	Wiedereinschaltzeit	180 s	
	Kontakt	12 VAC/VDC, 0.1 A	
DAUERSCHUTZ	Abschaltspannung	gemäß Norm EN IEC 63052	
	Abschaltzeit		
	Wiedereinschaltspannung	<255 V ± 2 %	
	Wiedereinschaltzeit	200 s ± 5 %	
UNTERSCHNITT	Abschaltspannung	<170 V ± 2 %	
	Abschaltzeit	10 s ± 5 %	
	Wiedereinschaltspannung	>200 V ± 2 %	
	Wiedereinschaltzeit	200 s ± 5 %	
MCB	Nennstrom I_n	16, 20, 25, 32, 40, 50, 63 A (je nach Modell)	
	Auslösekurve	C	
	Energiebegrenzungsklasse	3	
	Isolationsspannung U_i	500 V	
	Nennspannung U_{imp}	4 kV	
	Ausschaltvermögen I_{cn}	6 kA	
	Betriebskurzschluss-Ausschaltvermögen I_{cs}	6 kA	
MECHANISCH	Schutzgrad	IP20	
	Verschmutzungsgrad	2	
	Anzugsmoment	2.5 Nm	
	Montage	DIN-Schiene 35 mm	
	Ungefähres Durchschnittsgewicht	450 g	700 g
	Ungefähres Verpackungsgewicht	500 g	800 g
	Abmessungen (Breite x Höhe x Tiefe)	90 x 90 x 71 mm	140 x 90 x 71 mm
NORMEN	POP	IEC 63052	
	MCB	IEC 60898	
	ARD	IEC 63024	
	Richtlinien	RETIE 19757 / 375 TOR WECHSELRICHTERLISTE APPROVED 2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS)	

SEKURVE





Modelle

COMBI-PRO-MAX-2P-2.1

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10006167	COMBI-PRO-MAX-2P63-2.1

COMBI-PRO-MAX-4P-2.1

Code	Referenz
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10006169	COMBI-PRO-MAX-4P20-2.1
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10006172	COMBI-PRO-MAX-4P40-2.1
10006173	COMBI-PRO-MAX-4P50-2.1
10006174	COMBI-PRO-MAX-4P63-2.1

Kompatible Wechselrichter

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Huawei SUN2000-(8K-10K)-LB0	Huawei SUN2000-(12K-25K)-MB0
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	Huawei SUN2000-(5K-12K)-MAP0
	Huawei SUN5000-(8K,12K)-MAP0

