

**RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, frequency converter proof**



BCP34403



BCP98830

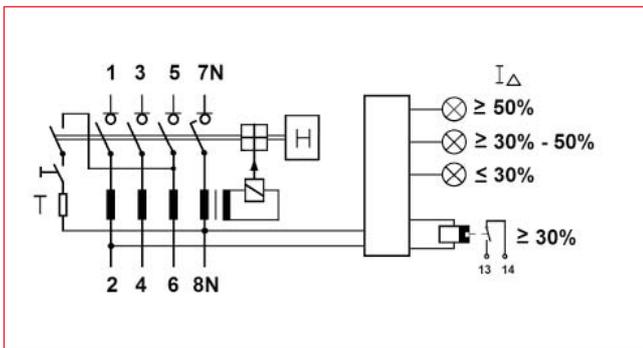
**Schrack-Info**

- Special tripping curve for applications with frequency converters
- Sensitivity: pulse current sensitive (type A)
- Type S, selective, delayed at least 40ms
- Tripping independent of line voltage
- Residual current indication by led display
- Potential-free relay for tripping warning
- Contact position color indicator (red/green)

Standards:	EN 61008 and ÖVE/ÖNORM E 8601	
Pole	4-pole	
Rated voltage Us:	230/400 and 240/415 V AC	
Rated frequency:	50/60Hz	
Rated current In:	40A, 63A, 80A	
Tripping-type:	A (pulse current sensitive) and U (frequency converter proof)	
Rated current IΔn:	30mA, 300mA	
Delay-type:	G (ÖVE/ÖNORM E 8601), at least 10ms	
30mA	G (ÖVE/ÖNORM E 8601), at least 10ms	
300mA	S (selective) according to EN 61008, at least 40ms	
Surge current proof:		
30mA	>3 kA (8/20 μs) type G	
300mA	>5kA (8/20 μs) type S	
Tripping:	line voltage-independent	
Rated insulation voltage Ui:	440V	
Rated impulse withstand voltage Uimp:	4kV (1.2/50 μs)	
Rated breaking capacity Im and rated residual making IΔm:		
In = 40A	500A	
In = 63A	630A	
In = 80A	800A	
Rated short-circuit capacity Icn:	10kA according to EN 61008	
Max. back up fuse:	overload (OPCD):	short circuit (SCPD):
In = 40A	40A gG/gL	63A gG/gL
In = 63A	63A gG/gL	63A gG/gL
In = 80A	80A gG/gL	80A gG/gL
Operating voltage electronic:	50 - 254V-AC	
Operating voltage test-circuit:	196 - 440V-AC	
Endurance:	> 4.000 operating cycles (mechanical > 20.000)	
LED display:		
green:	Normal operation, residual current ≤ 30% IΔn	
yellow:	Prior information notice, residual current > 30% and ≤ 50% IΔn	
red:	Risk of tripping, residual current > 50% IΔn	
Relay for tripping warning::	NO-contact up to 250V-AC, 1A terminal cross-section 0,25 - 1,5 mm <sup>2</sup>	
Contact position indicator:	red / green	
Tripping indicator:	white / blue	
Rated tripping temperature:	-25°C up to +40°C	
Max. storage and transport temperature:	-35°C up to +60°C	
Climatic proofing:	according to IEC/EN 61008	
Finger and hand touch safe:	according to BGV A3	
Degree of protection:	IP 20 (covered IP40)	
Operating position:	in any position	
Terminals:	Double clamp / lift terminal	
Terminal cross-section:	1-35 mm <sup>2</sup> solid, 2x16 mm <sup>2</sup> stranded	
Terminal screws:	Pozi driv PZ2	
Terminal tightening torque:	2 - 2,4 Nm	
Mounting:	on DIN rail by latching snap-on mounting	
Test interval:	Operate test button of PRIORI circuit breaker 1x annually. A further test is necessary if the red and yellow LEDs light up simultaneously. The switch should trip immediately. The system operator is responsible for this test! Under non-household-type conditions (e.g. humid or dusty environment), it is recommended to carry out the test at shorter intervals. Pressing the test button "T" only tests the function of the residual current (RC) circuit breaker. This test does not replace the earthing resistance measurement (RE) nor the proper protective conductor test that must be performed separately.	

**RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, frequency converter proof**

**Wiring diagram**



Type	Order no.	In (A)	IΔn (mA)	Type	P (W)
V-BCPO 40/4/003-G/A	BCP34403	40	30	A / G	3,8
V-BCPO 63/4/003-G/A	BCP36603	63	30	A / G	8,5
V-BCPO 80/4/003-G/A	BCP38803	80	30	A / G	12,9
V-BCPO 63/4/03-G/A	BCP36630	63	300	A / G	8,5
V-BCPO 80/4/03-G/A	BCP38830	80	300	A / G	12,9
V-BCPO 63/4/003-R	BCPR6603	63	30	A / R	8,5
V-BCPO 40/4/03-S/A	BCP64430	40	300	A / S	3,8
V-BCPO 63/4/03-S/A	BCP66630	63	300	A / S	8,5
V-BCPO 80/4/03-S/A	BCP68830	80	300	A / S	12,9
V-BCPO U-40/4/003-G/A	BCP94403	40	30	A / G	3,8

**RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, frequency converter proof, 30mA**



BCP96603

DESCRIPTION	AVAILABLE	ORDER NO.
<b>4-pole</b>		
40A / 4 / 0,03A, back-up fuse proof, type G		<b>BCP94403</b>
63A / 4 / 0,03A, back-up fuse proof, type G		<b>BCP96603</b>

**RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, frequency converter proof, 300mA**



BCP98830

DESCRIPTION	AVAILABLE	ORDER NO.
<b>4-pole</b>		
40A / 4 / 0,3A, back-up fuse proof, type S		<b>BCP94430</b>
63A / 4 / 0,3A, back-up fuse proof, type S		<b>BCP96630</b>
80A / 4 / 0,3A, back-up fuse proof, type S		<b>BCP98830</b>