

■ RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, version G



BCP34403

■ Schrack-Info

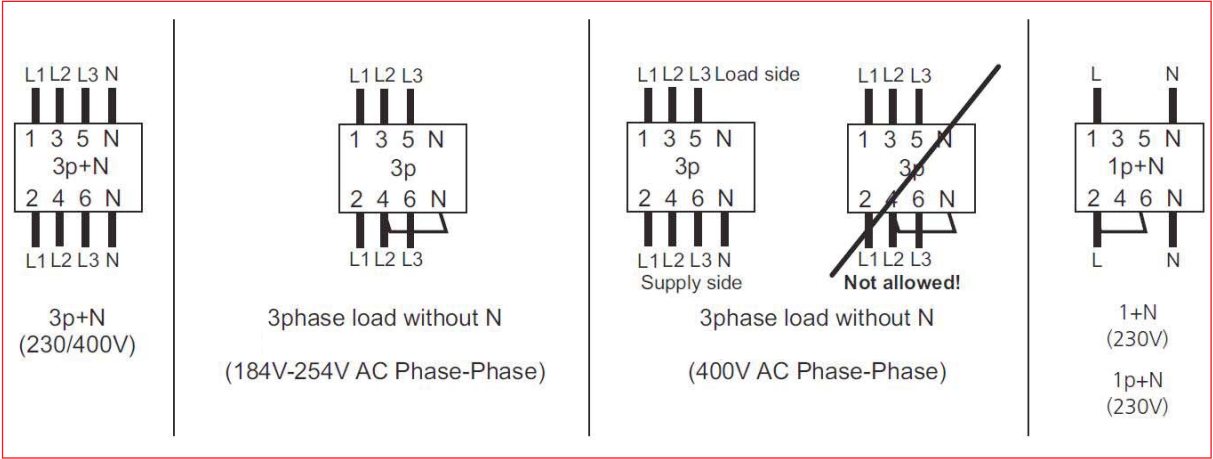
- Sensitivity: pulse current sensitive (type A)
- 10 ms tripping delay type G
- Tripping independent of line voltage
- Residual current indication by led display
- Potential-free relay for tripping warning
- Contact position color indicator (red/green)

Standards:	EN 61008 and ÖVE/ÖNORM E 8601	
Pole	4-pole	
Rated voltage U_s :	230/400 and 240/415 V AC	
Rated frequency:	50/60Hz	
Rated current I_n :	40A, 63A, 80A	
Tripping-type:	A, pulse current sensitive	
Rated current $I_{\Delta n}$:	30mA, 300mA	
Delay-type:	G (ÖVE/ÖNORM E 8601), at least 10ms	
Surge current proof:	>3kA (8/20 μ s) Type G	
Tripping:	line voltage-independent	
Rated insulation voltage U_i :	440V	
Rated impulse withstand voltage U_{imp} :	4kV (1.2/50 μ s)	
Rated breaking capacity I_m and rated residual making $I_{\Delta m}$:		
$I_n = 40A$	500A	
$I_n = 63A$	630A	
$I_n = 80A$	800A	
Rated short-circuit capacity I_{cn} :	10kA according EN 61008	
Max. back up fuse:	overload (OPCD):	short circuit (SCPD):
$I_n = 40A$	40A gG/gL	63A gG/gL
$I_n = 63A$	63A gG/gL	63A gG/gL
$I_n = 80A$	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)	
Lamp strength:		
30mA	max. 20 electronic ballasts per phase, max. 60 per RCCB (typical, commercially available)	
300mA	max. 90 electronic ballasts per phase (typical, commercially available)	
LED display:		
green:	Normal operation, residual current $\leq 30\% I_{\Delta n}$	
yellow:	Prior information notice, residual current > 30% and $\leq 50\% I_{\Delta n}$	
red:	Risk of tripping, residual current > 50% $I_{\Delta n}$	
Relay for tripping warning:	NO-contact up to 250V-AC, 1A terminal cross-section 0,25 - 1,5 mm ²	

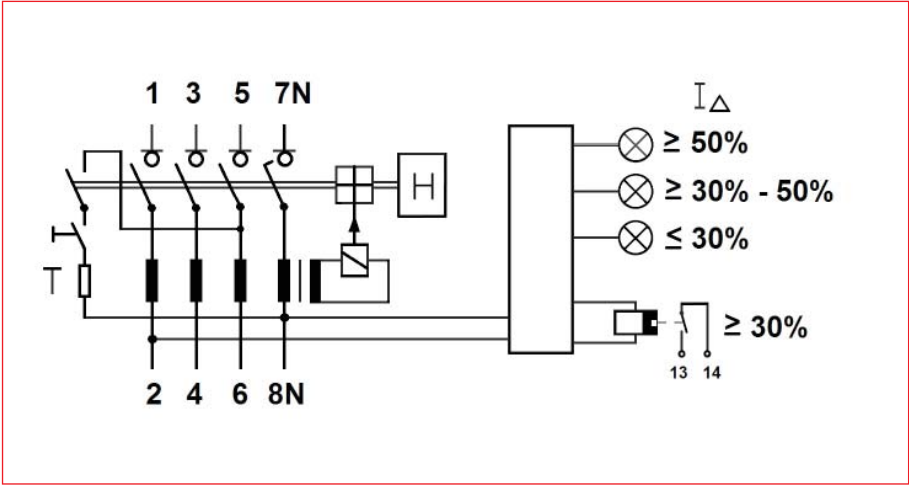
RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, version G

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 ² solid, 2x16 mm ² stranded
Terminal screws:	Pozidriv 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 1 x 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.

Wiring diagrams, RCCB series PRIORI

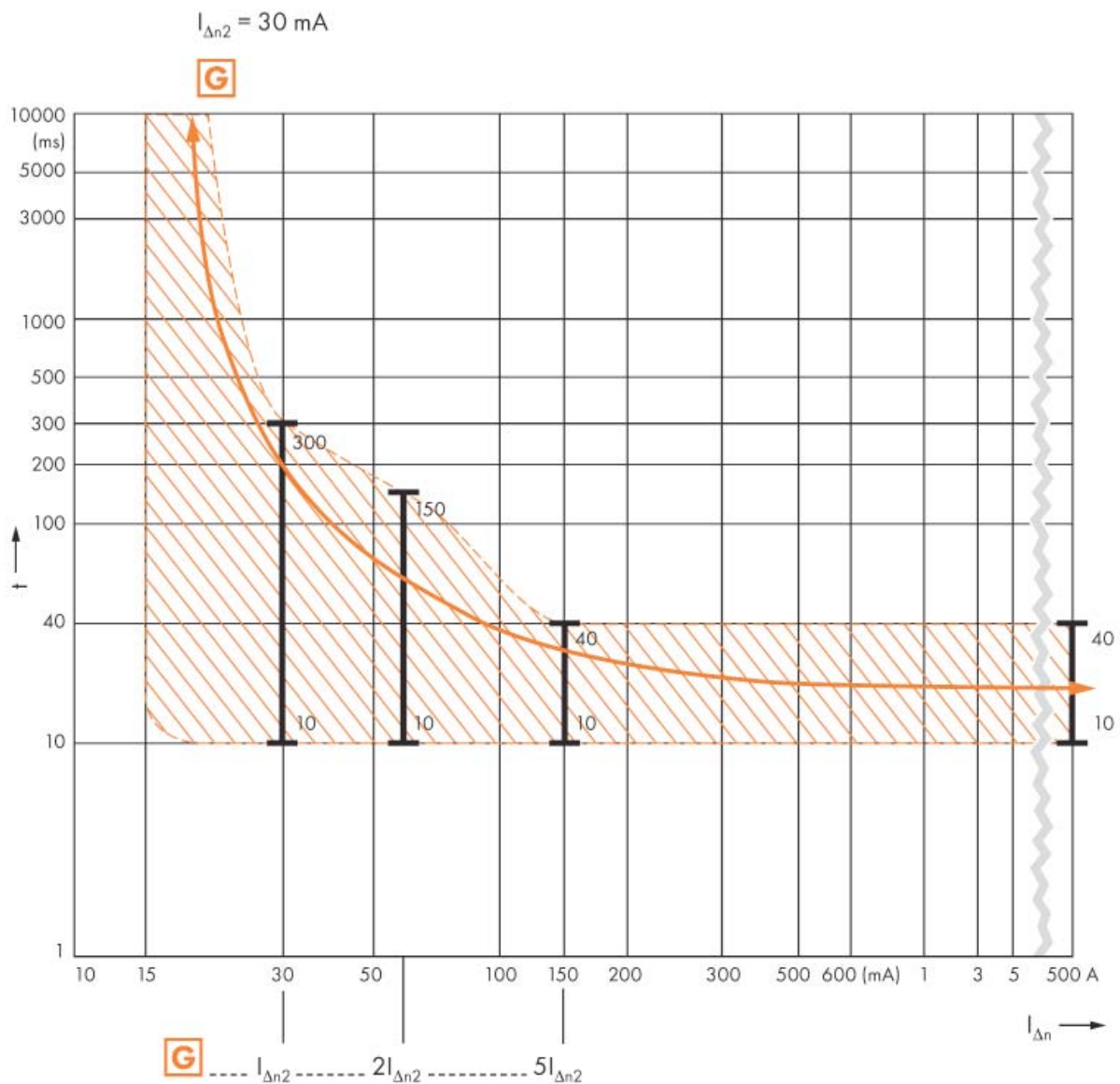


Wiring diagram



■ RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, version G

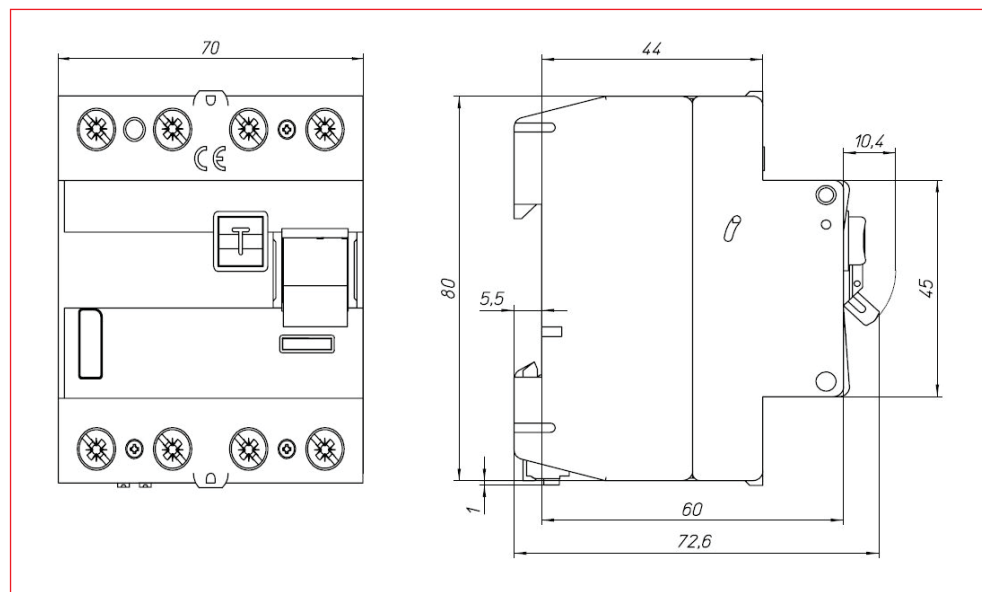
■ Tripping characteristic delayed (G)



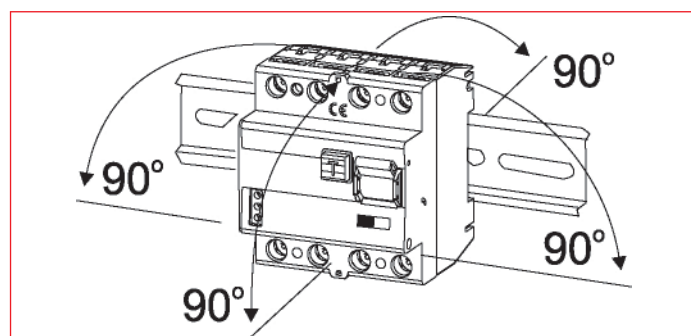
TYPE	ORDER NO.	I_n (A)	$I_{\Delta n}$ (mA)	Type	P (W)
V-BCPO 40/4/003-G/A	BCP34403	40	30	A / G	3,8
V-BCPO 63/4/003-G/A	BCP36603	63	30	A / G	8,5
V-BCPO 80/4/003-G/A	BCP38803	80	30	A / G	12,9
V-BCPO 63/4/03-G/A	BCP36630	63	300	A / G	8,5
V-BCPO 80/4/03-G/A	BCP38830	80	300	A / G	12,9
V-BCPO 63/4/003-R	BCPR6603	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, version G

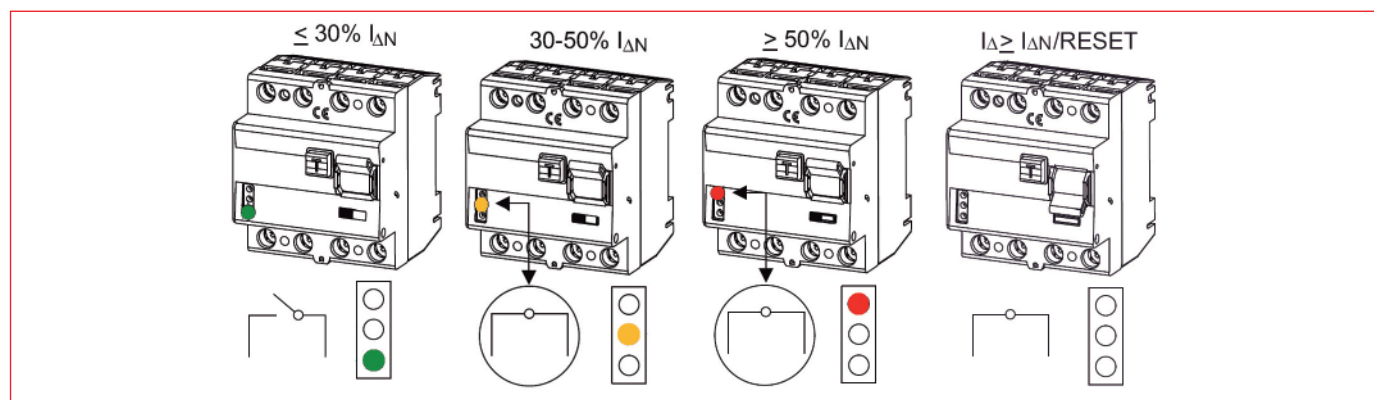
■ Dimensions



■ Mounting position of RCCB, series PRIORI



■ Indication and auxiliary contact of RCCB series PRIORI



 RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, version G

Conductor cross section [mm ²]	Number of single conductors, rigid, single-wire Cu conductors					
	1	2	3	4	5	6
1,5	+	+	+	+	+	-
2,5	+	+	+	+	-	-
4	+	+	+	+	-	-
6	+	+	+	+	-	-
10	+	+	+	-	-	-
16	+	+	-	-	-	-
25	+	-	-	-	-	-
35	+	-	-	-	-	-

Conductor cross section [mm ²]	Number of single conductors, rigid, multi-wire Cu conductors					
	1	2	3	4	5	6
10	+	+	+	-	-	-
16	+	+	-	-	-	-
25	+	-	-	-	-	-
35	+	-	-	-	-	-

Conductor cross section [mm ²]	Number of single conductors, flexible Cu conductors without sleeves					
	1	2	3	4	5	6
1,5	-	-	-	-	+	-
2,5	-	-	+	+	-	-
4	-	+	+	+	-	-
6	-	+	+	+	-	-
10	-	+	-	-	-	-
16	-	+	-	-	-	-
25	-	-	-	-	-	-
35	-	-	-	-	-	-

Conductor cross section [mm ²]	Number of single conductors, flexible Cu conductors with sleeves					
	1	2	3	4	5	6
1,5	+	-	-	-	-	-
2,5	+	-	-	-	-	-
4	+	-	-	-	-	-
6	+	-	-	-	-	-
10	+	-	-	-	-	-
16	+	-	-	-	-	-
25	+	-	-	-	-	-
35	+	-	-	-	-	-

Conductor cross section [mm ²]	Number of single conductors, flexible Cu conductors with different cross-sections, without sleeves								
	1	2	3	4	5	6	7	8	9
1,5	+	-	-	-	-	-	-	-	-
2,5	+	+	-	-	-	+	-	-	-
4	-	+	+	-	-	-	+	-	-
6	-	-	+	+	-	+	-	+	-
10	-	-	-	+	+	-	+	-	+
16	-	-	-	-	+	-	-	+	-
25	-	-	-	-	-	-	-	-	+
35	-	-	-	-	-	-	-	-	-

RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, version G, 30mA



BCP34403

Schrack-Info

- Detects also pulsating DC residual currents in addition to sinusoidal AC residual currents
- Any power supply
- Installation not dependent on position

DESCRIPTION	AVAILABLE	ORDER NO.
4-pole		
40A / 4 / 0,03A, back-up fuse proof		BCP34403
63A / 4 / 0,03A, back-up fuse proof		BCP36603
80A / 4 / 0,03A, back-up fuse proof		BCP38803

RCCB Residual Current Circuit Breaker series PRIORI, 10kA, type A, version G, 300mA

DESCRIPTION	AVAILABLE	ORDER NO.
4-pole		
63A / 4 / 0,3A, back-up fuse proof		BCP36630

