

RCBO Combined MCB and RCCB series BOLF, 1+N, 10kA, type A, version G



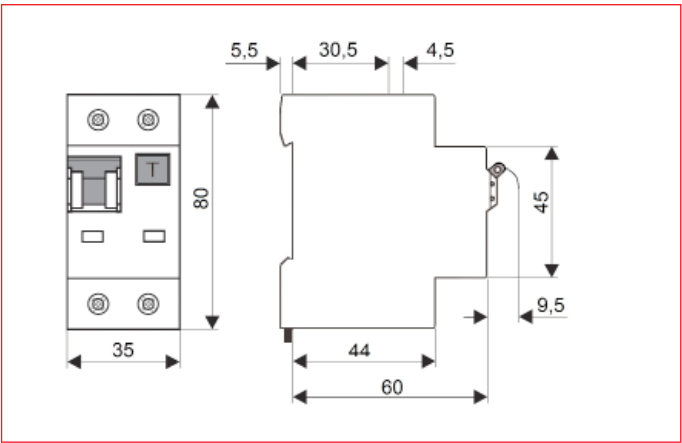
BO218616

Schrack-Info

- Sensitivity: pulse current sensitive (type A)
- 10 ms tripping delay type G
- Tripping independent of line voltage
- Power connection directional
- Double terminal on the top and on the bottom with guide for secure terminal connection
- Indicator: blue: switch off default, white: switch off manual
- Contact position color indicator (red/green)

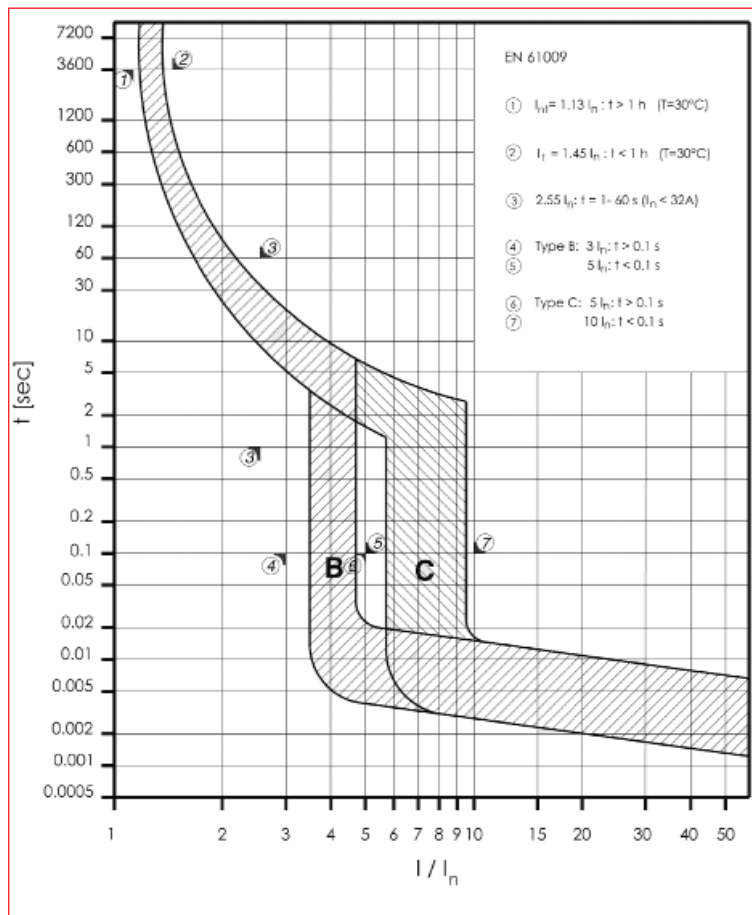
Standards:	IEC/EN 61009 and ÖVE/ÖNORM E 8601
Pole	1+N
Rated voltage Us:	230V-AC
Rated frequency:	50/60Hz
Rated current IΔn:	30mA
Tripping-type:	A, pulse current sensitive
Delay-type:	G (ÖVE/ÖNORM E 8601), at least 10ms
Surge current proof:	>3 kA (8/20 μs)
Tripping:	line voltage-independent
Rated current In:	13 - 32A
Tripping characteristic:	B, C
Rated short-circuit capacity Icn:	10 kA according EN 61009
Energy limiting class:	3
Max. back up fuse:	max. 100A gG/gL
Rated impulse withstand voltage Uimp:	4kV
Rated tripping temperature:	-25°C up to +40°C
Operating temperature:	-40°C up to +75°C
Calibrated for ambient temperature:	+30°C
Degree of protection:	IP 20 (covered IP40)
Operating position:	in any position
Endurance:	> 4.000 operating cycles (mechanical > 20.000)
Finger and hand touch safe:	acc. to BGV A3
Terminals:	Double clamp / lift terminal
Terminal cross-section:	1 - 25mm ²
Terminal width 1 MW:	17,8mm
Terminal tightening torque:	2 - 2,4Nm
Mounting:	on DIN rail by latching snap-on mounting

Dimensions



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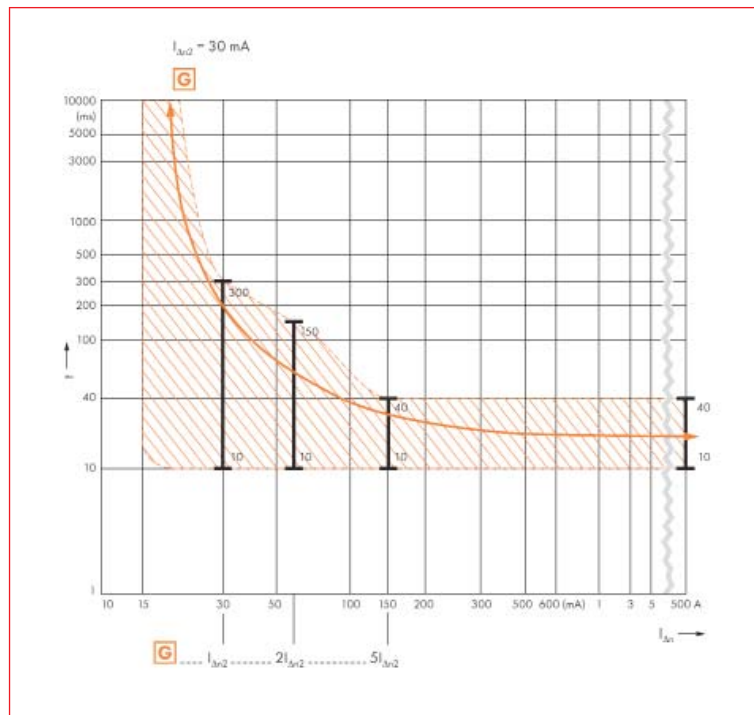
 Tripping characteristic



B-characteristic	
BOLF	
I_n [A]	P [W]
13	3,4
16	3,6

C-characteristic	
BOLF	
I_n [A]	P [W]
13	3,4
16	3,6
20	5,4
25	5,0
32	6,1

Tripping characteristic delayed (G)



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In [A]	Ambient temperature T [°C]																	
	-40	-30	-25	-20	-10	0	10	20	30	35	40	45	50	55	60	65	70	75
2	2,6	2,5	2,5	2,4	2,3	2,2	2,2	2,1	2,0	2,0	1,9	1,9	1,9	1,8	1,8	1,7	1,7	1,7
4	5,1	5	4,9	4,8	4,7	4,5	4,3	4,2	4,0	3,9	3,9	3,8	3,7	3,6	3,5	3,5	3,4	3,3
5	6,4	6,2	6,2	6	5,8	5,6	5,4	5,2	5,0	4,9	4,8	4,7	4,6	4,5	4,4	4,3	4,2	4,1
6	7,7	7,5	7,4	7,2	7,0	6,7	6,5	6,3	6,0	5,9	5,8	5,7	5,6	5,4	5,3	5,2	5,1	5,0
8	10,2	9,9	9,9	9,6	9,3	9,0	8,7	8,4	8,0	7,9	7,7	7,6	7,4	7,2	7,1	6,9	6,8	6,6
10	13	12	12	12	12	11	11	10	10	9,9	9,7	9,5	9,3	9,0	8,9	8,7	8,5	8,3
12	15	15	15	14	14	13	13	13	12	12	12	11	11	11	11	10	10	10
13	17	16	16	16	15	15	14	14	13	13	13	12	12	12	12	11	11	11
15	19	19	19	18	17	17	16	16	15	15	15	14	14	14	13	13	13	12
16	20	20	20	19	19	18	17	17	16	16	15	15	15	14	14	14	14	13
20	26	25	25	24	23	22	22	21	20	20	19	19	19	18	18	17	17	17
25	32	31	31	30	29	28	27	26	25	25	24	24	23	23	22	22	21	21
32	41	40	40	38	37	36	35	33	32	32	31	30	30	29	28	28	27	26
40	51	50	49	48	47	45	43	42	40	39	39	38	37	36	35	35	34	33

Short-circuit selectivity Characteristic B of fuse insert										DIAZED	
BOLF	DIAZED DII-DIV gL/gG										
I ₂ [A]	10	16	20	25	35	50	63	80	100		
13			0,5	0,7	1,6	2,8	5,7	9,0	10.0 ²⁾		
16				0,7	1,4	2,4	4,4	7,0	10.0 ²⁾		
20					1,3	2,2	4,0	6,3	10.0 ²⁾		
25					1,3	2,1	3,8	5,8	10.0 ²⁾		
32						2,0	3,5	5,2	9,5		

- 1) Selectivity limit current I_s is less than 0.5 kA.
 2) Selectivity limit current I_s is rated breaking capacity I_{cn} of the line circuit breaker

Short-circuit selectivity Characteristic C of fuse insert										DIAZED	
BOLF	DIAZED DII-DIV gL/gG										
I ₂ [A]	10	16	20	25	35	50	63	80	100		
13					1,4	2,3	4,6	7,6	10.0 ²⁾		
16					1,2	1,8	3,4	5,5	10.0 ²⁾		
20					1,2	1,7	3,1	5,0	10.0 ²⁾		
25						1,6	2,9	4,6	10.0 ²⁾		
32							2,3	3,4	7,7		

- 1) Selectivity limit current I_s is less than 0.5 kA.
 2) Selectivity limit current I_s is rated breaking capacity I_{cn} of the line circuit breaker

Short-circuit selectivity Characteristic B of fuse insert										NEOZED	
BOLF	NEOZED D01-D03 gL/gG										
I ₂ [A]	10	16	20	25	35	50	63	80	100		
13			0,6	0,7	1,4	3,0	4,7	9,0	10.0 ²⁾		
16				0,6	1,2	2,6	3,9	7,0	10.0 ²⁾		
20					1,2	2,5	3,6	6,2	10.0 ²⁾		
25					1,2	2,3	3,3	5,7	10.0 ²⁾		
32						2,3	3,1	5,1	10.0 ²⁾		

- 1) Selectivity limit current I_s is less than 0.5 kA.
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Short-circuit selectivity Characteristic C of fuse insert										NEOZED	
BOLF	NEOZED D01-D03 gL/gG										
I ₂ [A]	10	16	20	25	35	50	63	80	100		
13					1,2	2,5	3,9	7,6	10.0 ²⁾		
16					1,0	2,1	3,0	5,5	10.0 ²⁾		
20					1,0	2,0	2,7	5,0	10.0 ²⁾		
25						1,9	2,6	4,5	10.0 ²⁾		
32							2,1	3,4	10.0 ²⁾		

- 1) Selectivity limit current I_s is less than 0.5 kA.
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Short-circuit selectivity Characteristic B of fuse insert												
BOLF	NH-00 gL/gG								NH-00 gL/gG			
I ₂ [A]	16	20	25	32	35	40	50	63	80	100	125	160
13		<0,5 ¹⁾	0,6	0,8	1,4	1,8	2,8	3,6	5,7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
16			0,6	0,7	1,2	1,5	2,4	3,0	4,5	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
20				0,7	1,1	1,5	2,2	2,8	4,2	9,2	10.0 ²⁾	10.0 ²⁾
25				0,7	1,1	1,4	2,1	2,6	4,0	8,2	10.0 ²⁾	10.0 ²⁾
32					1,0	1,4	2,0	2,5	3,7	7,1	10.0 ²⁾	10.0 ²⁾

Short-circuit selectivity **Characteristic C** of fuse insert

Short-circuit selectivity Characteristic C of fuse insert									NH-00 gL/gG			
BOLF	NH-00 gL/gG											
I ₂ [A]	16	20	25	32	35	40	50	63	80	100	125	160
13					1,1	1,5	2,3	2,9	4,7	10.0 ²⁾	10.0 ²⁾	10.0 ²⁾
16					1,0	1,3	1,8	2,3	3,7	8,7	10.0 ²⁾	10.0 ²⁾
20					0,9	1,1	1,7	2,2	3,4	8,0	10.0 ²⁾	10.0 ²⁾
25							1,6	2,1	3,2	7,2	10.0 ²⁾	10.0 ²⁾
32								1,7	2,6	5,3	9,0	10.0 ²⁾

- 1) Selectivity limit current I_s is less than 0.5 kA.
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RCBO Combined MCB and RCCB 1+N, 10kA, type A, version G, 30mA



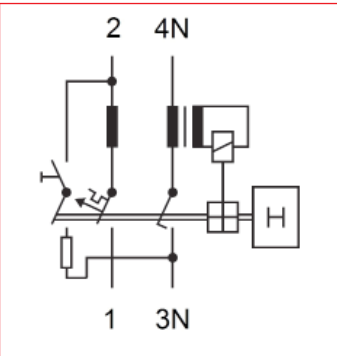
BO218616

Schrack-Info

Most common accessories:

- Auxiliary contact 1NO/1NC BM900001
- Busbar 16mm²/4-pole (L1, N, L2, N, L3, N,...) BS900123
- End cap 4-pole BS900117

Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Characteristic B		
13A		BO218613
16A		BO218616
Characteristic C		
13A		BO217613
16A		BO217616
20A		BO217620
25A		BO217625
32A		BO217632

