

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



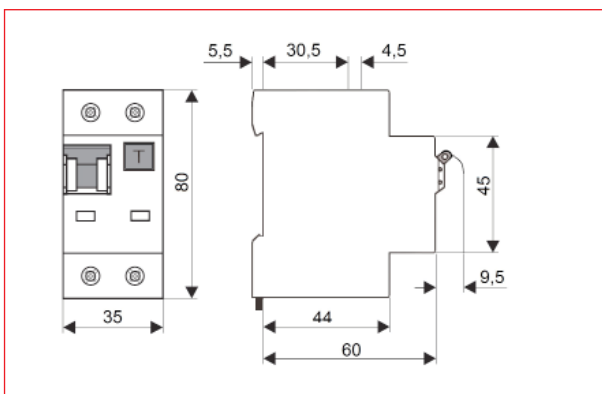
BO618616

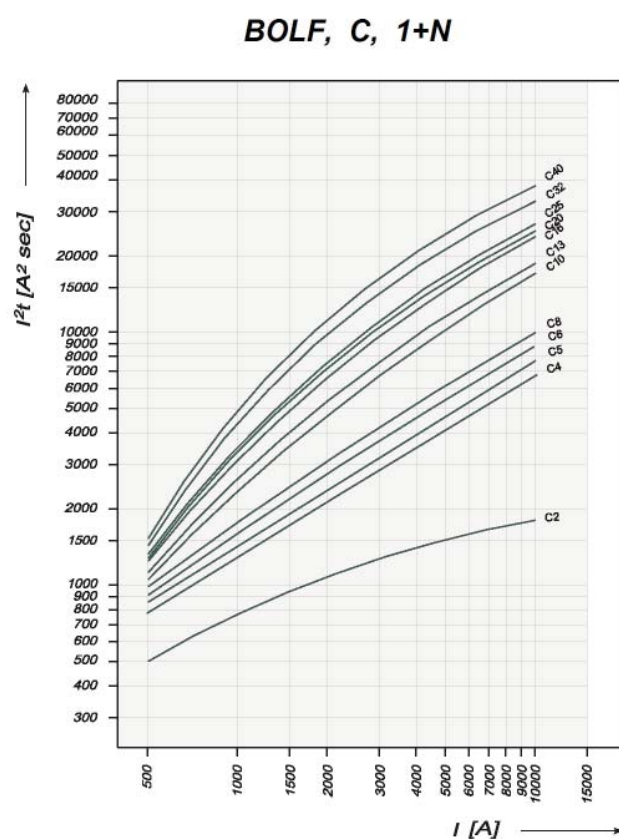
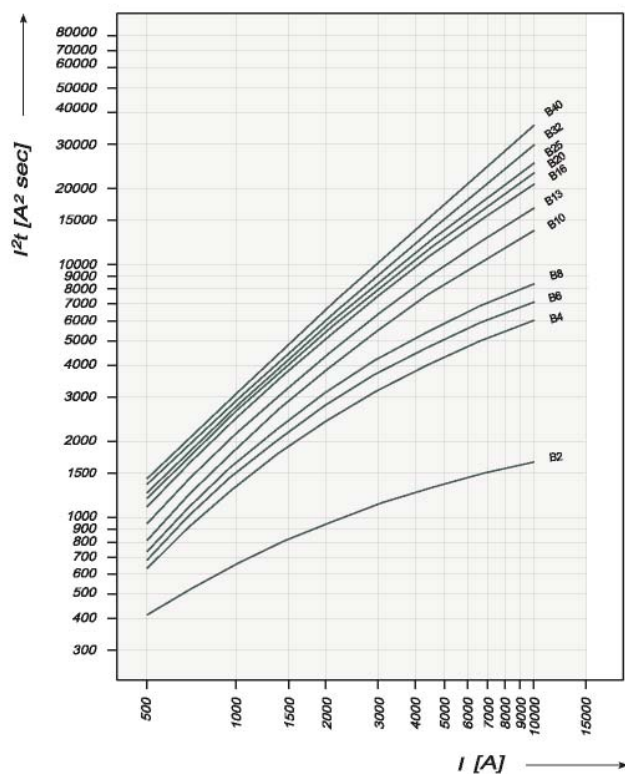
Schrack-Info

- Sensitivity: pulse current sensitive (type A)
- 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
Pole	1+N
Rated voltage U_s :	230V-AC
Rated frequency:	50/60Hz
Rated current $I_{\Delta n}$:	10mA, 30mA, 100mA, 300mA
Tripping-type:	A, pulse current sensitive
Delay-type:	undelayed
Surge current proof:	250A (8/20 μ s)
Tripping:	line voltage-independent
Rated current I_n :	6 - 40A
Tripping characteristic:	B, C
Rated short-circuit capacity I_{cn} :	10kA according EN 61009
Energy limiting class:	3
Max. back up fuse:	max. 100A gG/gL
Rated impulse withstand voltage U_{imp} :	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

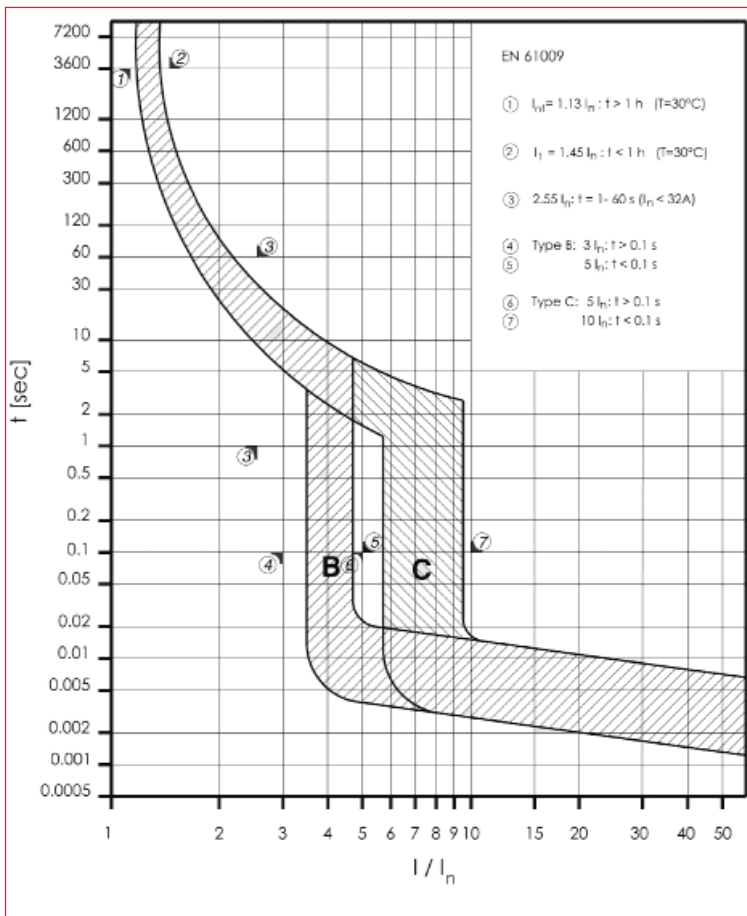




	Ambient temperature T (°C)																	
ln [A]	-40	-30	-25	-20	-10	0	10	20	30	35	40	45	50	55	60	65	70	75
6	7,7	7,5	7,4	7,2	7,0	6,7	6,5	6,3	6,0	5,9	5,8	5,7	5,6	5,4	5,3	5,2	5,1	5,0
10	13	12	12	12	12	11	11	10	10	9,9	9,7	9,5	9,3	9,0	8,9	8,7	8,5	8,3
13	17	16	16	16	15	15	14	14	13	13	13	12	12	12	12	11	11	11
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

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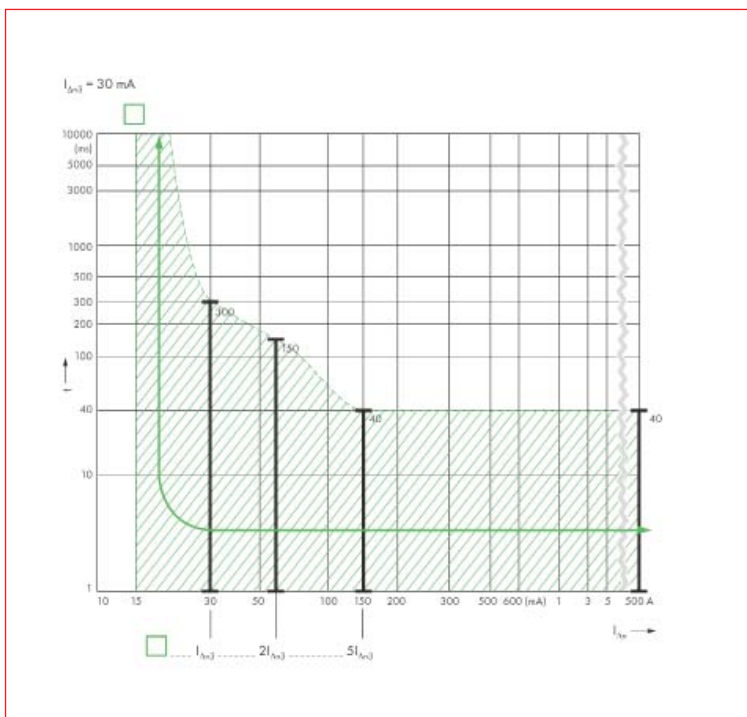
Tripping characteristic



B-characteristic	
BOLF	
I_n [A]	P [W]
2	1,4
4	1,5
6	1,7
10	2,3
13	3,4
16	3,6
20	5,4
25	5,0

C-characteristic	
BOLF	
I_n [A]	P [W]
2	1,4
4	1,5
6	1,7
10	2,3
13	3,4
16	3,6
20	5,4
25	5,0
32	6,1
40	8,2

Tripping characteristic undelayed



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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
6		<0,5 ¹⁾	0,7	1,0	2,9	6,9	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
10			0,6	0,9	1,9	3,3	7,0	10,0 ²⁾	10,0 ²⁾
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
40							3,1	4,5	8,1

- 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
6		<0,5 ¹⁾	0,6	1,0	2,9	5,8	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
10			<0,5 ¹⁾	0,7	1,5	2,6	5,3	9,0	10,0 ²⁾
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
40								2,9	6,2

- 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
6		<0,5 ¹⁾	0,5	0,8	2,4	8,2	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
10			0,5	0,8	1,6	3,7	6,0	10,0 ²⁾	10,0 ²⁾
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⁾
40							2,8	4,5	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									
NEOZED									
BOLF	NEOZED D01-D03 gL/gG								
I ₂ [A]	10	16	20	25	35	50	63	80	100
6		<0,5 ¹⁾	<0,5 ¹⁾	0,8	2,3	6,5	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
10			<0,5	0,6	1,3	2,9	4,5	8,9	10,0 ²⁾
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⁾
40								3,0	8,7

- 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												
NH-00 gL/gG												
BOLF	NH-00 gL/gG											
I ₂ [A]	16	20	25	32	35	40	50	63	80	100	125	160
6	<0,5 ¹⁾	0,5	0,8	1,4	2,2	3,3	7,0	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
10		<0,5	0,7	0,9	1,5	2,1	3,4	4,3	7,3	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
13		<0,5	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	8,2	10,0 ²⁾	10,0 ²⁾
32						1,0	1,4	2,0	2,5	3,7	7,1	10,0 ²⁾
40								2,3	3,4	6,2	8,8	10,0 ²⁾

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
6	<0,5 ¹⁾	<0,5 ¹⁾	0,7	1,3	2,2	3,3	5,9	8,0	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
10			0,5	0,8	1,2	1,7	2,7	3,4	5,5	10,0 ²⁾	10,0 ²⁾	10,0 ²⁾
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⁾
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⁾
40									2,4	4,5	7,5	10,0

- 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

RCBO Combined MCB and RCCB 1+N, 10kA, type A, 10mA



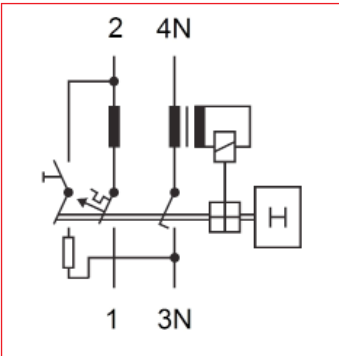
BO517616

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 C		
16A		BO517616



Order no. blue: on stock, usually ready for delivery on the day of order

RCBO Combined MCB and RCCB 1+N, 10kA, type A, 30mA



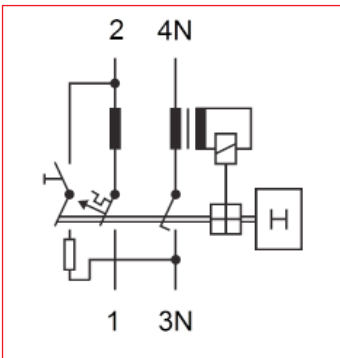
BO618616

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		
6A		BO618606
10A		BO618610
13A		BO618613
16A		BO618616
20A		BO618620
25A		BO618625
Characteristic C		
6A		BO617606
10A		BO617610
13A		BO617613
16A		BO617616
20A		BO617620
25A		BO617625
32A		BO617632
40A		BO617640

RCBO Combined MCB and RCCB 1+N, 10kA, type A, 100mA



BO717516

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

DESCRIPTION	AVAILABLE	ORDER NO.
Characteristic C		
16A		BO717616

RCBO Combined MCB and RCCB 1+N, 10kA, type A, 300mA



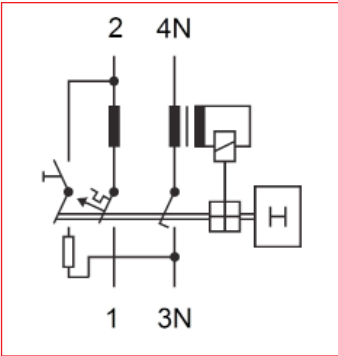
BO817606

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 C		
6A		BO817606
10A		BO817610
16A		BO817616
20A		BO817620
25A		BO817625
40A		BO817640

