

RCBO Combined MCB and RCCB series BOLF, 3+N, 6kA, type A



BO668813

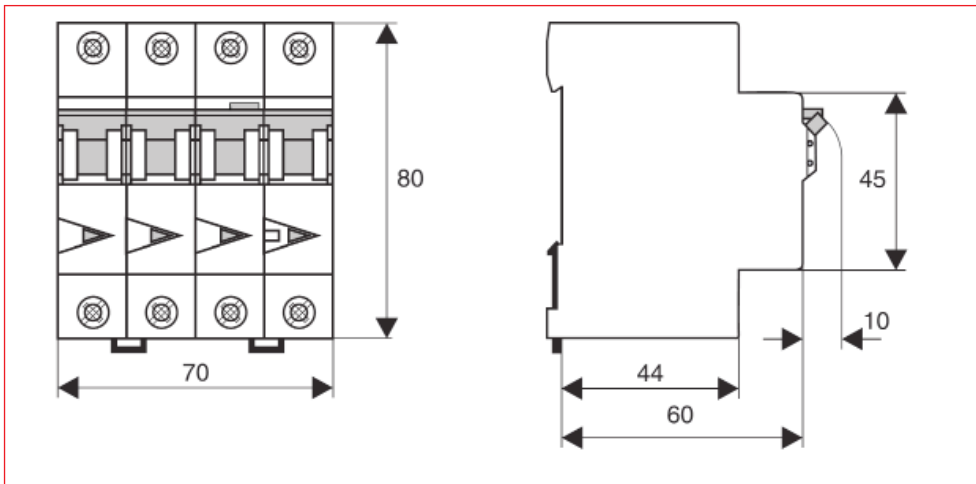
Schrack-Info

- Type A: pulse current sensitive
- 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 colour indicator (red/green)

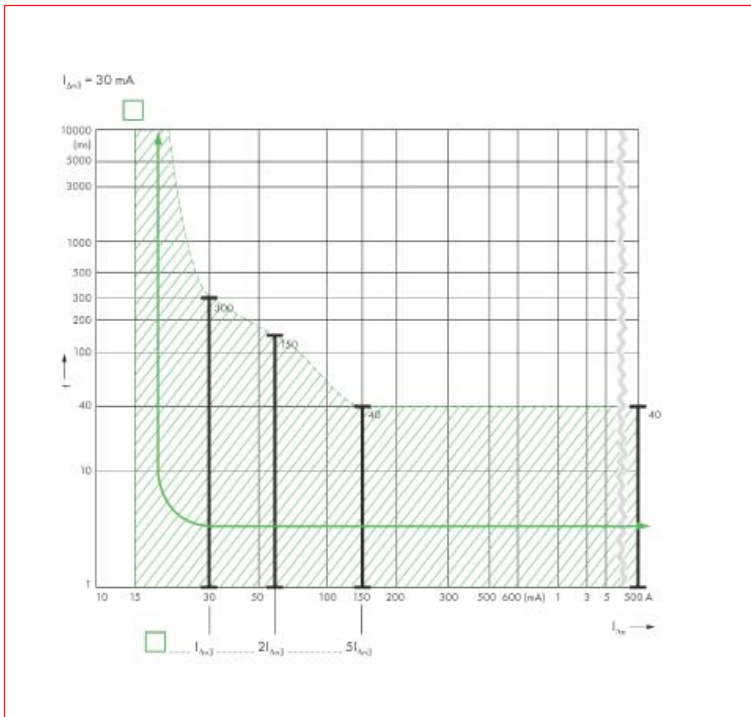
Standards:	IEC/EN 61009
Pole	3+N
Rated voltage Us:	230/400V-AC
Rated frequency:	50/60Hz
Rated current IΔn:	30mA, 100mA, 300mA
Tripping-type:	A, pulse current sensitive
Delay-type:	undelayed
Surge current proof:	250A (8/20 μs)
Tripping:	line voltage-independent
Rated current In:	6 - 16A
Tripping characteristic:	B, C, D
Rated short-circuit capacity Icn:	6kA 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

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Dimensions



Tripping characteristic undelayed



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BO.6...	Selectivity: D01, D02, D03 (Neozed), Characteristic gG, Rated voltage AC 400 V					
	16 A	20 A	25 A	32 A	35 A	40A
B13	<0,5	0,5	0,8	1,7	1,9	3
B16	n.s.	0,5	0,7	1,5	1,7	2,4
C10	<0,5	0,5	0,8	1,7	1,9	3
C13	<0,5	0,5	0,7	1,6	1,8	2,8
C16	n.s.	<0,5	0,7	1,2	1,9	2,2

BO.6...	Selectivity: DII, DIII, DIV (Diazed), Characteristic gG					
	16 A	20 A	25 A	32 A	35 A	50A
B13	<0,5	0,5	0,8	1,5	2,4	4,5
B16	n.s.	0,5	0,8	1,3	2	3,4
C10	<0,5	0,5	0,8	1,5	2,4	4,4
C13	<0,5	0,5	0,8	1,4	2,3	4,2
C16	n.s.	<0,5	0,7	1,2	1,9	3,2

BO.6...	Selectivity: NH 000, 00, Characteristic gG/gL					
	16 A	20 A	25 A	32 A	35 A	40A
B13	<0,5	<0,5	0,8	1,3	1,9	2,7
B16	n.s.	<0,5	0,7	1,1	1,6	2,2
C10	<0,5	<0,5	0,7	1,3	1,9	2,7
C13	<0,5	<0,5	0,7	1,2	1,8	2,5
C16	n.s.	<0,5	0,6	1	1,5	2

Power loss	Characteristic B	Characteristic C	Characteristic D
6A	-	2,4 W	4,8 W
10A	-	8,2 W	7,8 W
13A	10,2 W	9,4 W	7,7 W
16A	11,6 W	10,9 W	11,2 W

	Ambient temperature T (°C)																	
	-40	-30	-25	-20	-10	0	10	20	30	35	40	45	50	55	60	65	70	75
6A	7,7	7,5	7,4	7,2	7	6,7	6,5	6,3	6	5,9	5,8	5,7	5,6	5,4	5,3	5,2	5,1	5
10A	13	12	12	12	12	11	11	10,3	10	9,9	9,7	9,5	9,3	9,12	8,9	8,7	8,5	8,3
13A	17	16	16	16	15	15	14	14	13	13	13	12	12	12	12	11	11	11
16A	20	20	20	19	19	18	17	17	16	16	15	15	15	14	14	14	14	13

RCBO Combined MCB and RCCB 3+N, 6kA, type A, 30mA



BO867816

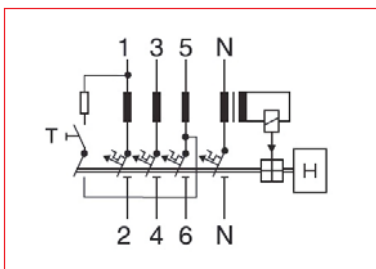
Schrack-Info

Most common accessories:

- Auxiliary contact 1NO/1NC BM900001
- Busbar 16mm²/4-pole BS990122
- End cap 4-pole BS900117

Standards:	IEC/EN 61009
Pole	3+N
Rated voltage U_s :	230/400V-AC
Rated frequency:	50/60Hz
Rated current $I_{\Delta n}$:	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 - 16A
Tripping characteristic:	B, C, D
Rated short-circuit capacity I_{cn} :	6kA 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

Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Characteristic B		
13A		BO668813
16A		BO668816
Characteristic C		
6A		BO667806
10A		BO667810
13A		BO667813
16A		BO667816
Characteristic D		
16A		BO669816



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

RCBO Combined MCB and RCCB 3+N, 6kA, type A, 100mA



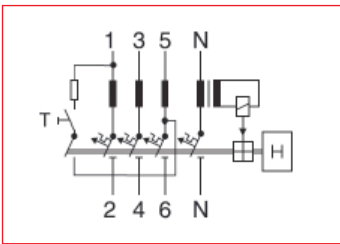
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Schrack-Info

Most common accessories:

- Auxiliary contact 1NO/1NC BM900001
- Busbar 16mm²/4-pole BS990122
- End cap 4-pole BS900117

Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Characteristic B		
13A		BO768813
Characteristic C		
16A		BO767816

RCBO Combined MCB and RCCB 3+N, 6kA, type A, 300mA



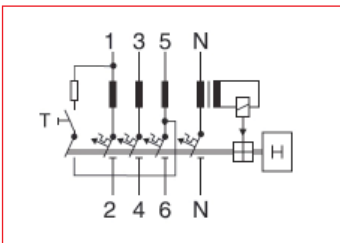
BO867816

Schrack-Info

Most common accessories:

- Auxiliary contact 1NO/1NC BM900001
- Busbar 16mm²/4-pole BS990122
- End cap 4-pole BS900117

Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Characteristic C		
10A		BO867810
13A		BO867813
16A		BO867816