

RCBOs Ex9BL-N, 6 kA



- Residual Current circuit Breakers with Overload protection according to EN 61009
- Rated breaking capacity I_{cn} 6 kA
- 1+N-pole version
- Rated residual current 30, 100, 300 mA
- Rated currents up to 40 A
- B and C tripping characteristics of installed circuit breaker
- AC and A type of RCBO
- 2-module width
- Suitable for applications from -25 to +40°C

Ex9BL residual current circuit breakers are suitable for domestic as well as industrial applications. They are based on combination of residual current device with permanent magnet principle and circuit breaker with thermal overload release and magnetic short circuit current release. It brings the advantage of voltage independent function of the residual current device. Adequate voltage is only necessary when testing the RCBO with the T test button. Magnetic RCBOs should be tested regularly with a period of one month.

Type Key

Ex9	BL	-N	1PN	B	16A	A	30mA
Product family	Product	Rated breaking capacity	Poles	Tripping characteristic of MCB	Rated current	Sensitivity to type of current	Rated residual current
Ex9	BL: RCBO	-N: 6 kA	1P+N	B C	6 — 40 A	—: AC A: A	30 mA 100 mA 300 mA

Certification marks



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Accessories



Auxiliary or signal contacts
AX, AL, AXL
Up to 3 units

Voltage or trip releases
SHT, UVT
Up to 2 units

RCBO
Ex9BL
2-module width

Auxiliary contacts AX3111, AX3122

see page 132

Alarm contact AL3111

see page 132

Auxiliary and alarm contact AXL31

see page 132

Shunt trip releases SHT31, SHT3111

see page 132

Undervoltage releases UVT31, UVT3101, UVT3110

see page 133

All accessories are mounted to the RCBOs Ex9BL from the left side and are identical for devices of the whole line Ex9B, Ex9PN and Ex9IP.

RCBOs Ex9BL-N, 6 kA

AC type, characteristic B

- AC type of residual current circuit breaker sensitive on residual AC current
- B characteristic of installed circuit breaker
- Without time delay
- Surge current-proof 3000 A
- Suitable for protection of people in case of direct and indirect contact with live parts and exposed conductive parts during a fault, respectively
- Selective with upstream installed S or S+A type RCCB



Rated current	Rated residual current	MCB tripping char.	Article No.	Type	Packing
6 A	30 mA	B	107619	Ex9BL-N 1P+N B6 30mA	1/6/72
10 A	30 mA	B	107620	Ex9BL-N 1P+N B10 30mA	1/6/72
13 A	30 mA	B	107621	Ex9BL-N 1P+N B13 30mA	1/6/72
16 A	30 mA	B	107622	Ex9BL-N 1P+N B16 30mA	1/6/72
20 A	30 mA	B	107623	Ex9BL-N 1P+N B20 30mA	1/6/72
25 A	30 mA	B	107624	Ex9BL-N 1P+N B25 30mA	1/6/72
32 A	30 mA	B	107625	Ex9BL-N 1P+N B32 30mA	1/6/72
40 A	30 mA	B	107626	Ex9BL-N 1P+N B40 30mA	1/6/72
6 A	100 mA	B	107651	Ex9BL-N 1P+N B6 100mA	1/6/72
10 A	100 mA	B	107652	Ex9BL-N 1P+N B10 100mA	1/6/72
13 A	100 mA	B	107653	Ex9BL-N 1P+N B13 100mA	1/6/72
16 A	100 mA	B	107654	Ex9BL-N 1P+N B16 100mA	1/6/72
20 A	100 mA	B	107655	Ex9BL-N 1P+N B20 100mA	1/6/72
25 A	100 mA	B	107656	Ex9BL-N 1P+N B25 100mA	1/6/72
32 A	100 mA	B	107657	Ex9BL-N 1P+N B32 100mA	1/6/72
40 A	100 mA	B	107658	Ex9BL-N 1P+N B40 100mA	1/6/72
6 A	300 mA	B	107683	Ex9BL-N 1P+N B6 300mA	1/6/72
10 A	300 mA	B	107684	Ex9BL-N 1P+N B10 300mA	1/6/72
13 A	300 mA	B	107685	Ex9BL-N 1P+N B13 300mA	1/6/72
16 A	300 mA	B	107686	Ex9BL-N 1P+N B16 300mA	1/6/72
20 A	300 mA	B	107687	Ex9BL-N 1P+N B20 300mA	1/6/72
25 A	300 mA	B	107688	Ex9BL-N 1P+N B25 300mA	1/6/72
32 A	300 mA	B	107689	Ex9BL-N 1P+N B32 300mA	1/6/72
40 A	300 mA	B	107690	Ex9BL-N 1P+N B40 300mA	1/6/72

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AC type, characteristic C

- AC type of residual current circuit breaker sensitive on residual AC current
- C characteristic of installed circuit breaker
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- Surge current-proof 3000 A
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- Selective with upstream installed S or S+A type RCCB



Rated current	Rated residual current	MCB tripping char.	Article No.	Type	Packing
6 A	30 mA	C	107627	Ex9BL-N 1P+N C6 30mA	1/6/72
10 A	30 mA	C	107628	Ex9BL-N 1P+N C10 30mA	1/6/72
13 A	30 mA	C	107629	Ex9BL-N 1P+N C13 30mA	1/6/72
16 A	30 mA	C	107630	Ex9BL-N 1P+N C16 30mA	1/6/72
20 A	30 mA	C	107631	Ex9BL-N 1P+N C20 30mA	1/6/72
25 A	30 mA	C	107632	Ex9BL-N 1P+N C25 30mA	1/6/72
32 A	30 mA	C	107633	Ex9BL-N 1P+N C32 30mA	1/6/72
40 A	30 mA	C	107634	Ex9BL-N 1P+N C40 30mA	1/6/72
6 A	100 mA	C	107659	Ex9BL-N 1P+N C6 100mA	1/6/72
10 A	100 mA	C	107660	Ex9BL-N 1P+N C10 100mA	1/6/72
13 A	100 mA	C	107661	Ex9BL-N 1P+N C13 100mA	1/6/72
16 A	100 mA	C	107662	Ex9BL-N 1P+N C16 100mA	1/6/72
20 A	100 mA	C	107663	Ex9BL-N 1P+N C20 100mA	1/6/72
25 A	100 mA	C	107664	Ex9BL-N 1P+N C25 100mA	1/6/72
32 A	100 mA	C	107665	Ex9BL-N 1P+N C32 100mA	1/6/72
40 A	100 mA	C	107666	Ex9BL-N 1P+N C40 100mA	1/6/72
6 A	300 mA	C	107691	Ex9BL-N 1P+N C6 300mA	1/6/72
10 A	300 mA	C	107692	Ex9BL-N 1P+N C10 300mA	1/6/72
13 A	300 mA	C	107693	Ex9BL-N 1P+N C13 300mA	1/6/72
16 A	300 mA	C	107694	Ex9BL-N 1P+N C16 300mA	1/6/72
20 A	300 mA	C	107695	Ex9BL-N 1P+N C20 300mA	1/6/72
25 A	300 mA	C	107696	Ex9BL-N 1P+N C25 300mA	1/6/72
32 A	300 mA	C	107697	Ex9BL-N 1P+N C32 300mA	1/6/72
40 A	300 mA	C	107698	Ex9BL-N 1P+N C40 300mA	1/6/72