

EX - POWER CIRCUIT BREAKERS

Up to 630 A

CEAG power circuit breakers enable making or breaking of circuits under normal operating conditions as well as cutting in, briefly conducting and cutting out currents under exceptional conditions, such as short circuiting.

5 Full AC-3 motor switching capacities and isolating properties according to EN 60947-4-1 with compulsory opening of the main current contacts according to EN 60204-1 are just some of the eminent features offered by CEAG power circuit breakers. Versions up to 180 A guarantee the optional high degree of protection IP65. The switch position is always clearly indicated and easily seen.

The main current switches feature an installation-friendly design and easily accessible connection terminals.

Metal versions can be equipped with metal screw-on flanges allowing simple integration in system as well as cost-efficient later extensions. These can be optionally supplied with snap-on moulded plastic or brass flanges.

The described power circuit breakers are also available for Explosion Group IIB, which is sufficient for many of the applications.

Internationally approved.

- Full AC-3 motor switching capacity
- High degree of IP protection
- Simple integration in systems





EXKO 73 1813 A

Technical data

Ex-main circuit breaker 63 A

Marking accd. to 94/9/EC	II 2 G Ex de ia/ib [ia/ib] IIC T4 – T6 ¹⁾
	II 2 D IP66 T80 °C / T95 °C / T130 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEx Certificate of Conformity	BKI 06.0006
Marking accd. to IECEx	Ex de ia/ib [ia/ib] IIC T6/T5/T4
	Ex tD A21 IP66 T80 °C / T95 °C / T130 °C
Permissible ambient temperature	–20 °C up to +40 °C ²⁾
Rated voltage	up to max. 690 V
Rated current	max. 63 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 63 A U _e 400 V / I _e 63 A U _e 500 V / I _e 63 A U _e 690 V / I _e 63 A
Back-up fuse	up to 400 V AC: 80 A gL up to 500 V AC: 80 A gL up to 690 V AC: 80 A gL
Connecting terminals	main contact
	2 x 35 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (Option IP65)
Cable glands/enclosure drilling	M50 (d = 21 - 35 mm) see ordering details
Weight	3-pole approx. 17 kg 4-pole approx. 18 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure grey (RAL 7032) Cover dark grey (RAL 7022)

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

Ex-main circuit breaker



EXKO 73 1813 A

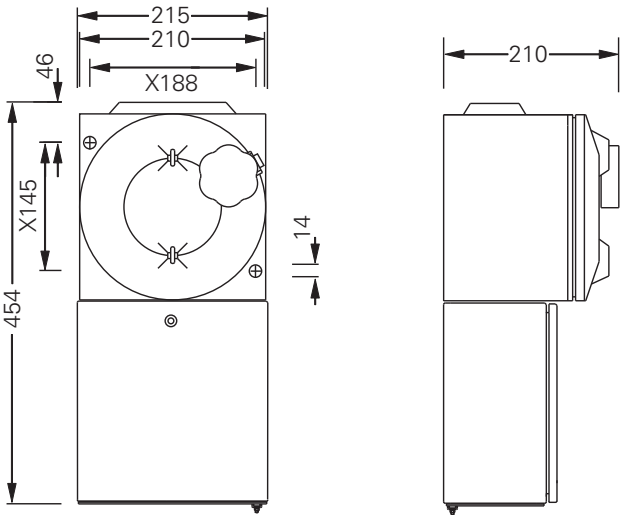
Ordering details

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Content	Cable gland	Order No.
Ex-main circuit breaker 63 A		
3-pole	2 x M50	EXKO 73 1813 A0001
4-pole	2 x M50	EXKO 73 1814 A0001

Customized version on request

Dimension drawing



X = fixing dimensions

Dimensions in mm



EXKO 73 1813 B

Technical data

Ex-main circuit breaker 125 A

Marking accd. to 94/9/EC	II 2 G Ex de ia/ib [ia/ib] IIC T4 – T6 ¹⁾
	II 2 D IP66 T80 °C / T95 °C / T130 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEx Certificate of Conformity	BKI 06.0006
Marking accd. to IECEx	Ex de ia/ib [ia/ib] IIC T6/T5/T4
	Ex tD A21 IP66 T80 °C / T95 °C / T130 °C
Permissible ambient temperature	–20 °C up to +40 °C ²⁾
Rated voltage	up to max. 690 V
Rated current	max. 125 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 125 A U _e 400 V / I _e 125 A U _e 500 V / I _e 125 A U _e 690 V / I _e 125 A
Back-up fuse	up to 400 V AC: 160 A gL up to 500 V AC: 160 A gL up to 690 V AC: 160 A gL
Connecting terminals	main contact 50/35 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (optional IP65)
Cable glands/enclosure drilling	M50 (d = 21 - 35 mm) see ordering details
Weight	3-pole approx. 48 kg 4-pole approx. 52 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure grey (RAL 7032) Cover dark grey (RAL 7022)

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

Ex-main circuit breaker



EXKO 73 1813 B

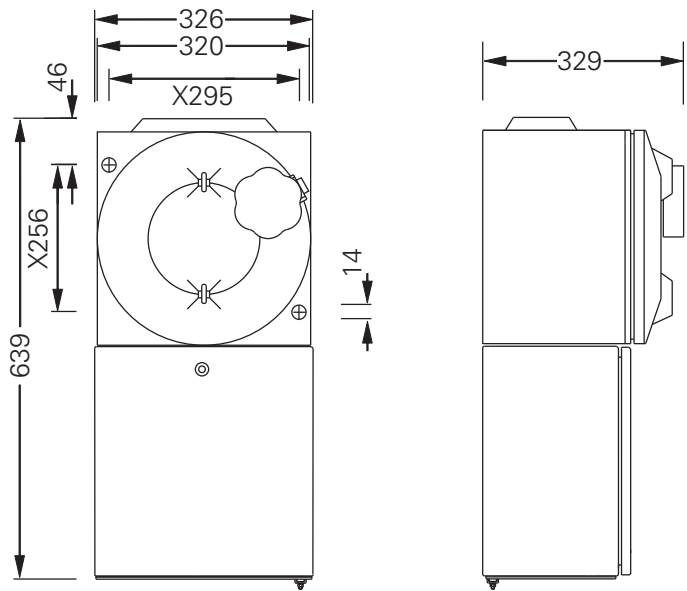
Ordering details

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Content	Cable gland	Order No.
Ex-main circuit breaker 125 A		
3-pole	2 x M50	EXKO 73 1813 B0001
4-pole	2 x M50	EXKO 73 1814 B0001

Customized version on request

Dimension drawing



X = fixing dimensions

Dimensions in mm



EXKO 73 1813 C

Technical data

Ex-main circuit breaker 160 A

Marking accd. to 94/9/EC	II 2 G Ex de ia/ib [ia/ib] IIC T4 ... T6 ¹⁾ II 2 D IP66 T80 °C / T95 °C / T130 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEx Certificate of Conformity	BKI 06.0006
Marking accd. to IECEx	Ex de ia/ib [ia/ib] IIC T6/T5/T4 Ex tD A21 IP66 T80 °C / T95 °C / T130 °C
Permissible ambient temperature	−20 °C up to +40 °C ²⁾
Rated voltage	up to max. 690 V
Rated current	max. 180 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 180 A U _e 400 V / I _e 180 A U _e 500 V / I _e 150 A U _e 690 V / I _e 125 A
Back-up fuse	up to 400 V AC: 210 A gL up to 500 V AC: 210 A gL up to 690 V AC: 210 A gL
Connecting terminals	main contact 95/50 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (optional IP65)
Cable glands/enclosure drilling	M50 (d = 21 - 35 mm) see ordering details
Weight	3-pole approx. 48 kg 4-pole approx. 52 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure grey (RAL 7032) Cover dark grey (RAL 7022)

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

Ex-main circuit breaker



EXKO 73 1813 C

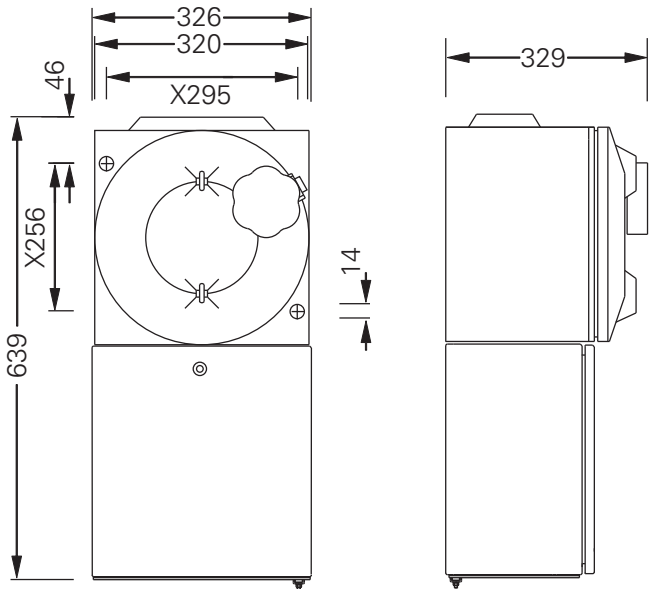
Ordering details

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Content	Cable gland	Order No.
Ex-main circuit breaker 160 A		
3-pole	2 x M50	EXKO 73 1813 C0001
4-pole	2 x M50	EXKO 73 1814 C0001

Customized version on request

Dimension drawing



X = fixing dimensions

Dimensions in mm



EXKO 73 1813 D

Technical data

Ex-main circuit breaker 250 A

Marking accd. to 94/9/EC	II 2 G Ex de ia/ib [ia/ib] IIC T4 ... T6 ¹⁾ II 2 D IP66 T80 °C / T95 °C / T130 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEx Certificate of Conformity	BKI 06.0006
Marking accd. to IECEx	Ex de ia/ib [ia/ib] IIC T6/T5/T4 Ex tD A21 IP66 T80 °C / T95 °C / T130 °C
Permissible ambient temperature	-20 °C up to +40 °C ²⁾
Rated voltage	up to max. 690 V
Rated current	max. 250 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 250 A U _e 400 V / I _e 250 A U _e 500 V / I _e 250 A U _e 690 V / I _e 250 A
Back-up fuse	up to 400 V AC: 250 A gL up to 500 V AC: 250 A gL up to 690 V AC: 250 A gL
Connecting terminals	main contact 150/95 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (optional IP65)
Cable glands/enclosure drilling	M63 (d = 27 - 48 mm) see ordering details
Weight	3-pole approx. 50 kg 4-pole approx. 55 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure grey (RAL 7032) Cover dark grey (RAL 7022)

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

Ex-main circuit breaker



EXKO 73 1813 D

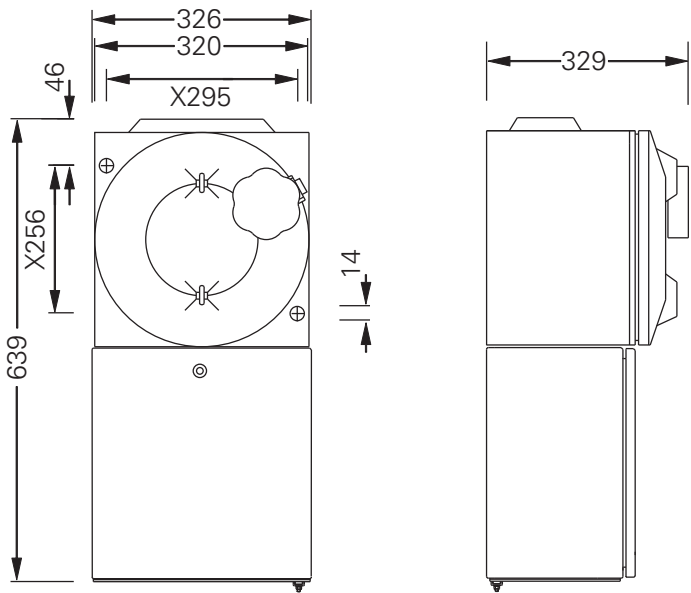
Ordering details

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Content	Cable gland	Order No.
Ex-Main current switches 250 A		
3-pole	2 x M63	EXKO 73 1813 D0001
4-pole	4 x M63	EXKO 73 1814 D0001

Customized version on request

Dimension drawing



X = fixing dimensions

Dimensions in mm



EXKO 73 1813 E

Technical data

Ex-main circuit breaker 400 A

Marking accd. to 94/9/EC	II 2 G Ex de ia/ib [ia/ib] IIC T4 ... T6 ¹⁾ II 2 D IP66 T80 °C / T95 °C / T130 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEx Certificate of Conformity	BKI 06.0006
Marking accd. to IECEx	Ex de ia/ib [ia/ib] IIC T6/T5/T4 Ex tD A21 IP66 T80 °C / T95 °C / T130 °C
Permissible ambient temperature	−20 °C up to +40 °C ²⁾
Rated voltage	up to max. 690 V
Rated current	max. 400 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 400 A U _e 400 V / I _e 400 A U _e 500 V / I _e 400 A U _e 690 V / I _e 400 A
Back-up fuse	up to 400 V AC: 500 A gL up to 500 V AC: 500 A gL up to 690 V AC: 500 A gL
Connecting terminals	main contact 150/95 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (optional IP65)
Cable glands/enclosure drilling	M63 (d = 27 - 48 mm) see ordering details
Weight	3-pole approx. 85 kg 4-pole approx. 90 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure grey (RAL 7032) Cover dark grey (RAL 7022)

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

Ex-main circuit breaker



EXKO 73 1813 E

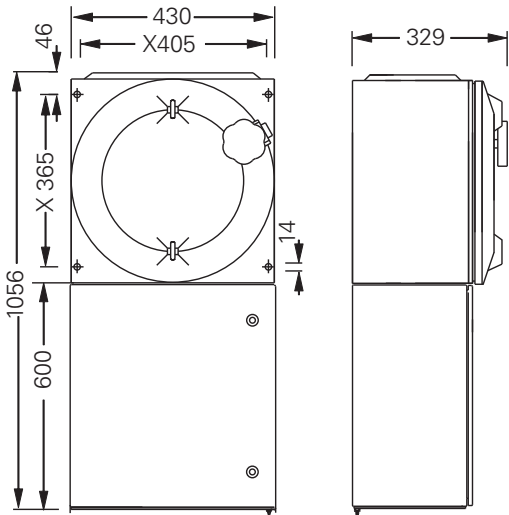
Ordering details

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Content	Cable gland	Order No.
Ex-Main current switches 400 A		
3-pole	4 x M63	EXKO 73 1813 E0001
4-pole	4 x M63	EXKO 73 1814 E0001

Customized version on request

Dimension drawing



X = fixing dimensions

Dimensions in mm



EXKO 73 1813 F

Technical data

Ex-main circuit breaker 630 A

Marking accd. to 94/9/EC	II 2 G Ex de ia/ib [ia/ib] IIC T4 ... T6 ¹⁾ II 2 D IP66 T80 °C / T95 °C / T130 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEx Certificate of Conformity	BKI 06.0006
Marking accd. to IECEx	Ex de ia/ib [ia/ib] IIC T6/T5/T4 Ex tD A21 IP66 T80 °C / T95 °C / T130 °C
Permissible ambient temperature	-20 °C up to +40 °C ²⁾
Rated voltage	up to max. 690 V
Rated current	max. 630 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 630 A U _e 400 V / I _e 630 A U _e 500 V / I _e 630 A U _e 690 V / I _e 630 A
Back-up fuse	up to 400 V AC: 800 A gL up to 500 V AC: 800 A gL up to 690 V AC: 800 A gL
Connecting terminals	main contact 240/120 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (optional IP65)
Cable glands/enclosure drilling	M80 (d = 62 - 68 mm) see ordering details
Weight	3-pole approx. 245 kg 4-pole approx. 250 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure grey Cover dark grey

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

Ex-main circuit breaker



EXKO 73 1813 F

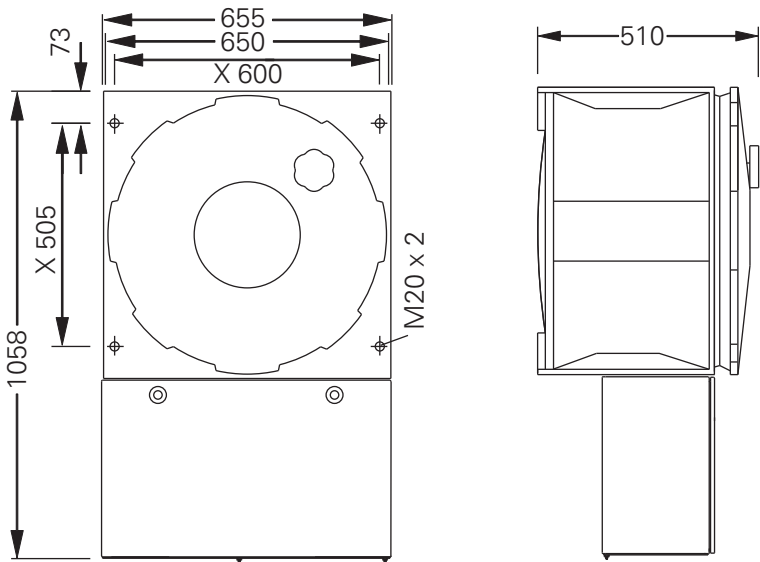
Ordering details

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Content	Cable gland	Order No.
Ex-Main current switches 630 A		
3-pole	4 x M80	EXKO 73 1813 F0001
4-pole	4 x M80	EXKO 73 1814 F0001

Customized version on request

Dimension drawing



X = fixing dimensions

Dimensions in mm