

5.4

GHG 26 Ex-Main Current Switches

Rated current from 10 A - 630 A

Safety for your protection

5

CEAG main current switches in a number of versions can be protected against inadvertent switching on by our integrated locking facility for up to three padlocks in the OFF position.

Full AC-3 motor switching capacities

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's main current switches.

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

Versions in impact-resistant polyamide or glass-fibre-rein-

forced polyester guarantee the high degree of protection IP66 for amperages up to 180 A. These can be optionally supplied with snap-on moulded plastic or brass flanges. They can be equipped with screw-on flanges.

Main current switches >180 A are realized in metal enclosures.

Internationally approved.



Features

- Full AC-3 switching capacity
- Cost-saving installation
- Variants: star, delta, Dahlander or reversing switches up to 80 A
- Up to 40 A: snap mounting
- Up to 180 A: IP66 protection



3-pole, 10 A 0-1

Technical data

Ex-Main current switches 10 A

Marking accd. to 2014/34/EU	Ex II 2 G Ex de IIC T6 / Ex II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 00 ATEX 1074
IECEX Certificate of Conformity	BKI 07.0014
Marking accd. to IECEx	Ex ed IIC T6 Ex tD A21 IP66 T53 °C
Permissible ambient temperature	-20 °C up to +40 °C ¹⁾
Rated voltage	up to max. 500 V
Rated current	max. 10 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 10 A U _e 400 V / I _e 10 A U _e 500 V / I _e 10 A
Back-up fuse	up to 400 V AC: 10 A gG up to 500 V AC: 10 A gG
Connecting terminals	main contact auxiliary/signal contact
	2 x 1.5 - 2.5 mm ² 2 x 0.5 - 2.5 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable glands/enclosure drilling	M25 cable gland see ordering details
Weight	approx. 0.60 kg
Enclosure material	impact resistant polyamide
Enclosure colour	black
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request

GHG 261 - Ex-main current switches 10 A



3-pole, 10 A 0-I

Ordering details

Content	Cable gland	Order No.
Ex-Main current switches 10 A		
3-pole 0-I	2 x M25	ON-OFF switch
Customized version on request		

Accessories

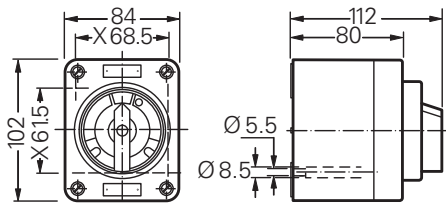
Type	Application	Fixing method	Order No.
Mounting plate for Ex-Main current switches 10 A 3-pole			
Size 1	Wall mounting	screwless mounting	GHG 610 1953 R0101
Size 1	Pipe clamp	screwless mounting	GHG 610 1953 R0102
Size 1	Trellis-work mounting	screwless mounting	GHG 610 1953 R0103

Type	Application	Fixing method	Order No.
Accessories for mounting plates			
Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3		10	GHG 610 1953 R0057
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing		10	GHG 610 1953 R0020

Type	Application	Fixing method	Order No.
Protective canopy for mounting plate			
Size 1	for mounting plate size 1	1	GHG 610 1955 R0101

Please pay attention that only order units (OU) according to the ordering details can be delivered.

Dimension drawing



3-pole, 10 A 0-I

X = fixing dimensions


3-pole, 20 A change-over

3-pole, 20 A 0-1
Technical data
Ex-Main current switches 20 A

Marking accd. to 2014/34/EU	Ex II 2 G Ex ed ia IIC T6 / Ex II 2 D IP66 T55 °C
EC-Type Examination Certificate	PTB 99 ATEX 1161
IECEx Certificate of Conformity	BKI 07.0012
Marking accd. to IECEx	Ex ed ia IIC T6 Ex tD A21 IP66 T55 °C
Permissible ambient temperature	–20 °C up to +40 °C ¹⁾
Rated voltage	up to max. 690 V
Rated current	max. 20 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 20 A U _e 400 V / I _e 20 A U _e 500 V / I _e 16 A U _e 690 V / I _e 10 A
Back-up fuse	up to 400 V AC: 35 A gG up to 500 V AC: 35 A gG up to 690 V AC: 25 A gG
Connecting terminals	main contact auxiliary/signal contact
	2 x 4 mm ² 2 x 0.5 - 2.5 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable glands/enclosure drilling	M25 cable gland see ordering details M32 cable gland see ordering details Option: metal flange with thread
Weight	approx. 1.40 kg
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request

GHG 262 - Ex-main current switches 20 A



3-pole, 20 A 0-I



3-pole, 20 A change-over

Ordering details

Version	Cable gland			Order No.
Ex-Main current switches 20 A 3-pole				
3-pole	0 - I	2 x M32	ON-OFF switch	GHG 262 1301 R0001
	0 - Y - D	3 x M32	Star-delta	GHG 262 0016 R0004
	0 - I - II	3 x M32	Dahlander	GHG 262 0016 R0005
Ex-Main current switches 20 A 3-pole Version with 2 auxiliary contacts (1 NO; 1 x NC)				
3-pole	I - II	3 x M32/1 x M25	Change-over	GHG 262 0016 R0001
	I - 0 - II	3 x M32/1 x M25	Change-over	GHG 262 0016 R0002
	I - 0 - II	3 x M32/1 x M25	Reversing switch	GHG 262 0016 R0003

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-Main current switches 20 A 3-pole			
Size 2	Wall mounting	snap on	GHG 610 1953 R0104
Size 2	Pipe clamp	snap on	GHG 610 1953 R0105
Size 2	Trellis-work mounting	snap on	GHG 610 1953 R0106
Type		OU	Order No.
Accessories for mounting plates			
Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3		10	GHG 610 1953 R0057
Plug-in fastener for CEAG modules with 5.5 mm and 11 mm mounting feet 1 set = 4 pcs.		10	GHG 610 1953 R0041
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing		10	GHG 610 1953 R0020
Type	Application	OU	Order No.
Protective canopy for mounting plate			
Size 2	for mounting plate size 2	1	GHG 610 1955 R0102
Size 2A	for mounting plate size 2A	1	GHG 610 1955 R0103

Please pay attention that only order units (OU) according to the ordering details can be delivered.

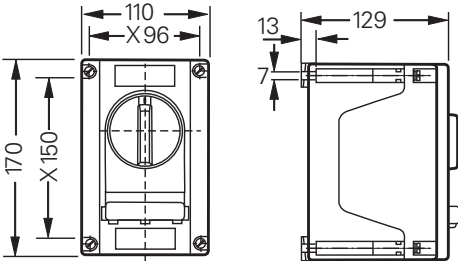


3-pole, 20 A change-over

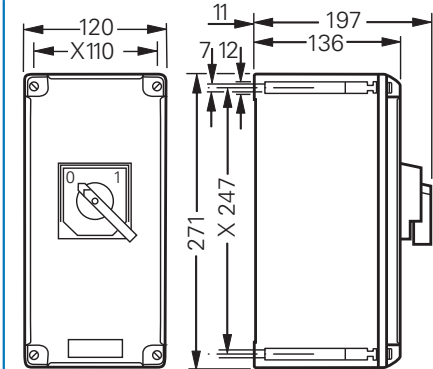


3-pole, 20 A 0-1

Dimension drawing



GHG 262 1301 R0001



GHG 262 0016 R... X = fixing dimensions

GHG 263 - Ex-main current switches 40 A



GHG 263 1301 R0001



GHG 263 0048 R....

Technical data

Ex-Main current switches 40 A

Marking accd. to 2014/34/EU	II 2 G Ex de IIC T6 / II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1161
IECEX Certificate of Conformity	BKI 07.0012
Marking accd. to IECEx	Ex ed ia II T6 Ex tD A21 IP66 T55 °C
Permissible ambient temperature	−20 °C up to +40 °C ¹⁾
Rated voltage	up to max. 690 V
Rated current	max. 40 A
Frequency	50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 40 A U _e 400 V / I _e 40 A U _e 500 V / I _e 40 A U _e 690 V / I _e 32 A
Back-up fuse	up to 400 V AC: 80 A gG up to 500 V AC: 80 A gG up to 690 V AC: 63 A gG
Connecting terminals	main contact 2 x 16 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable glands/enclosure drilling	M25 cable gland see ordering details M40 cable gland see ordering details Option: metal flange with thread
Weight	3-pole approx. 2.30 kg 6-pole approx. 6.50 kg
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request


GHG 263 0048 R....

GHG 263 1301 R0001
Ordering details

Content		Cable gland		Order No.
Ex-Main current switches 40 A 3-pole				
3-pole	0 - I	2 x M40, 1 x M25	ON-OFF switch	GHG 263 1301 R0001
	0 - Y - D	3 x M40, 2 x M25 screw plug	Star-delta	GHG 263 0048 R0005
	0 - I - II	3 x M40, 2 x M25 screw plug	Dahlander	GHG 263 0048 R0006
Ex-Main current switches 40 A 3-pole Version with 2 auxiliary contacts (1 NO + 1 x NC)				
3-pole	I - II	3 x M40/1 x M25, 1 x M25 screw plug	Change-over	GHG 263 0048 R0002
	I - 0 - II	2 x M40/1 x M25, 1 x M25 screw plug	Reversing switch	GHG 263 0048 R0004
Version with 2 auxiliary contacts (1 NO + 1 x NO)				
3-pole	I - 0 - II	3 x M40/1 x M25, 1 x M25 screw plug	Change-over	GHG 263 0048 R0003

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-Main current switches 40 A 3-pole			
Size 3	Wall mounting	snap on	GHG 610 1953 R0118
Size 3	Pipe clamp	snap on	GHG 610 1953 R0110
Size 3	Trellis-work mounting	snap on	GHG 610 1953 R0118
Type	Application	Fixing method	Order No.
Mounting plate for Ex-Main current switches 40 A 6-pole			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110
¹⁾ observe mounting distance			
Type		OU	Order No.
Accessories for mounting plates			
Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3		10	GHG 610 1953 R0057
Plug-in fastener for CEAG modules with 5.5 mm and 11 mm mounting feet 1 set = 4 pcs.		10	GHG 610 1953 R0041
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing		10	GHG 610 1953 R0020
Type	Application	OU	Order No.
Protective canopy for mounting plate			
Size 3	for pipe mounting plate size 3 vertical	1	GHG 610 1955 R0104
Size 3A	for mounting plates wall/trellis fixing size 3 vertical	1	GHG 610 1955 R0105
Size 3B	for mounting plates pipe fixing size 3 horizontal	1	GHG 610 1955 R0106

Please pay attention that only order units (OU) according to the ordering details can be delivered.

GHG 263 - Ex-main current switches 40 A



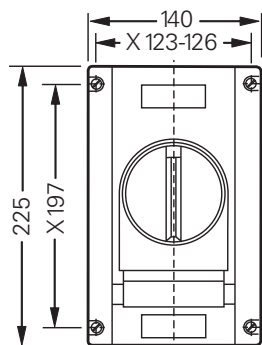
GHG 263 1301 R0001



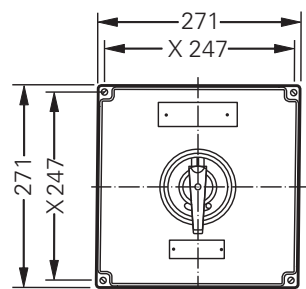
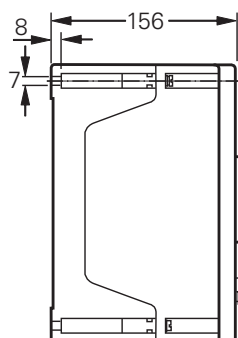
GHG 263 0048 R....

Dimension drawing

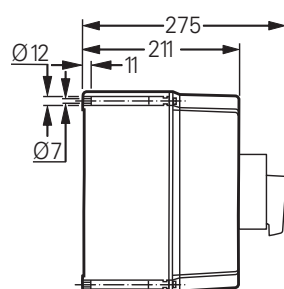
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GHG 263 1301 R0001



GHG 263 0048 R...



X = fixing dimensions


6-pole, 80 A (change-over)
Technical data

Ex-Main current switches 80 A		
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T6 / II 2 D Ex tD A21 IP66 T80 °C	
EC-Type Examination Certificate	PTB 00 ATEX 1091	
Permissible ambient temperature	-20 °C up to +40 °C ¹⁾	
Rated voltage	up to max. 690 V	
Rated current	max. 80 A	
Frequency	50/60 Hz	
Rated making/breaking capacity AC-3 accd. EN 60947-3	U _e 230 V / I _e 80 A U _e 400 V / I _e 80 A U _e 500 V / I _e 80 A U _e 690 V / I _e 63 A	
Back-up fuse	up to 400 V AC: 80 A gG up to 500 V AC: 80 A gG up to 690 V AC: 63 A gG	
Connecting terminals	main contact	2 x 16 mm ²
	auxiliary/signal contact	2 x 4 mm ²
Protection class	I	
Degree of protection accd. to EN 60529	IP66	
Cable glands/enclosure drilling	M25 cable gland see ordering details M50 cable gland see ordering details Option: metal flange with thread	
Weight	3-pole	approx. 6.50 kg
	4-pole	approx. 9.00 kg
Enclosure material	glass-fibre reinforced polyester	
Enclosure colour	black	
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)	

1) Other ambient temperatures on request

GHG 264 - Ex-main current switches 80 A



6-pole, 80 A (change-over)

Ordering details

5

Content		Cable gland		Order No.
Ex-Main current switches 80 A				
Version with 2 auxiliary contacts (1 NO; 1 x NC)				
4-pole	0 - I without auxiliary contact	2 x M50, 2 x M25, 1 x screw plug	ON-OFF switch	GHG 264 0022 R9015
3-pole	I - 0 - II	3 x M50, 1 x M25 screw plug	Change-over	GHG 264 0019 R0003
3-pole	I - 0 - II	2 x M50, 1 x M25 screw plug	Reversing switch	GHG 264 0019 R0004

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-Main current switches 80 A 3- and 4-pole			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110

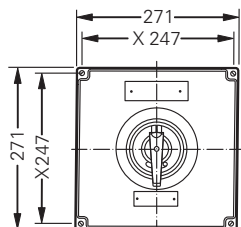
¹⁾ observe mounting distance

Type	Application	OU	Order No.
Accessories for mounting plates			
Label holder with label (unlabelled) for mounting plate size 1, 2, 2A and 3		10	GHG 610 1953 R0057
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing		10	GHG 610 1953 R0020

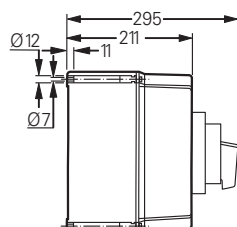
Type	Application	OU	Order No.
Protective canopy for mounting plate			
Size 3	for pipe clamp plate size 3 vertical	1	GHG 610 1955 R0104
Size 3A	for mounting plates wall/trellis fixing size 3 vertical	1	GHG 610 1955 R0105
Size 3B	for mounting plates pipe fixing size 3 horizontal	1	GHG 610 1955 R0106

Please pay attention that only order units (OU) according to the ordering details can be delivered.

Dimension drawing



GHG264 0019 R....



X = fixing dimensions

Dimensions in mm