



Introducing CEAG GHG25 Safety Switch and Switch Disconnecter

Eaton's Crouse-Hinds series CEAG GHG25 safety switch and switch disconnecter are designed to provide safe and reliable performance in a wide range of harsh and hazardous area applications within oil and gas, petrochemical, chemical and other heavy industries.

The new series of GHG25 safety switches and switch disconnectors brings higher switching and isolation capacities, improved safety features and modular set-up delivering more protection for your personnel and operations in Ex environments.

The GHG25 safety switches and switch disconnectors feature full AC-3 motor switching capacities and isolating properties, an installation-friendly design, and easily accessible connection terminals. Available in fibreglass-reinforced polyester and stainless steel enclosures, our GHG25 portfolio provides excellent corrosion resistance, impact strength, and IP66 protection.

Look to Eaton for all your harsh and hazardous area switches

Eaton's Crouse-Hinds series portfolio features a broad range of switches for global harsh, hazardous, and industrial environments. Available in a variety of high-quality materials, along with a wide range of sizes, certifications and design options, Eaton can deliver a switch solution that meets your specific application requirements.



CEAG GHG26

For Zone 1 & 2 gas applications



CEAG GHG981

For Zone 22 dust applications



CEAG GHG981

For industrial applications



EID Disconnect switch

For Class I, Division 1 & 2
and Zone 1 & 2
hazardous applications

To browse our full portfolio of switches, please visit eaton.com/switches

Design features:

Improved safety:

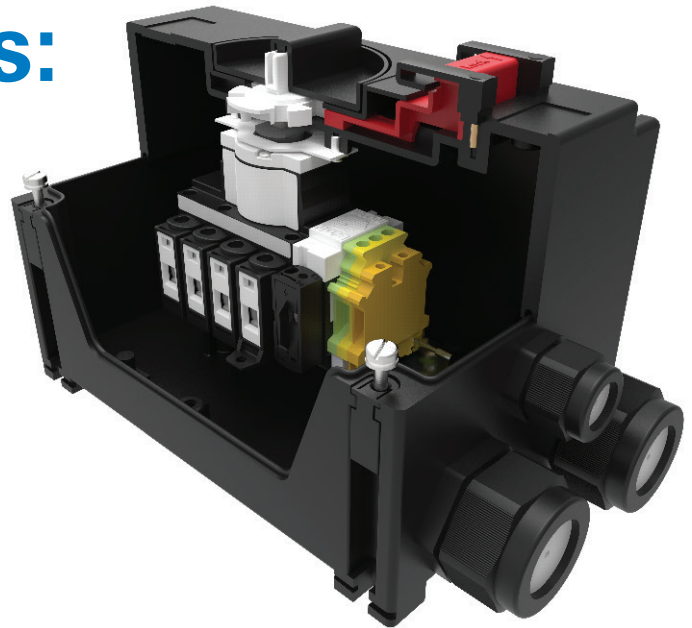
- Ensure safe operations of electrical devices during maintenance, cleaning and repair work
- Lockable in "OFF" position with three padlocks
- AC-3 and DC-23 switching capacity for isolating the electrical power supply of devices and other electrically operated equipment during maintenance, cleaning and repair work
- IEC/EN 62626-1 Class 1 compliant. Interlocked design prevents cover from being opened during maintenance

Rugged design that's built to last in harsh and hazardous areas:

- Certified as factory assembled to ATEX and IECEX standards
- Operating temperature range of -55°C to +55°C for Gas Group IIC
- Cover threads can be easily removed and replaced if damaged. No need to replace the entire switch

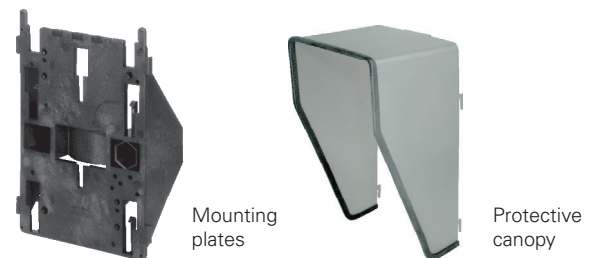
Installation-friendly design:

- Easily accessible connection terminals due to lower side walls on enclosure
- Optional mounting plate for simplified installation to wall, pipe or trellis
- Mounting plate and canopy simply clip on to switch - no tools required



Excellent resistance to environmental challenges:

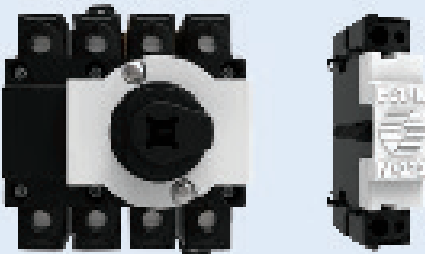
- High impact and corrosion resistant fibreglass-reinforced polyester or stainless-steel enclosures
- High degree of protection IP66
- Optional canopy provides additional protection from rain and sun exposure



Our GHG25's advanced switchblock improves safety and performance

Approved to the latest International standards:

- Certified as a component to ATEX and IECEX standards

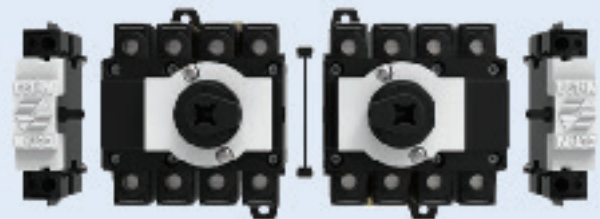


Engineered for safety:

- Higher isolation and motor switching capacities (AC-3 and DC 23)
- Auxiliary contacts close after the main contacts close and open before main contacts open
- Finger-safe IP20 devices and accessories

Simplified installation:

- Retrofittable auxiliary contacts can be easily installed in the field
- Switchblock modularity allows for easy extension to a 6-pole and 8-pole design
- Rail mounting



Flexible termination:

- Terminals with max 16 mm² wire cross section connection offers wide usage possibilities

CEAG GHG25 safety switches and switch disconnectors

Applications:

- Provides motor control and disconnect protection for Zone 1, 2, 21 and 22 hazardous areas
- Isolates the power supply on electrical installations and apparatus during maintenance, cleaning and repair work
- Can be protected against inadvertent switching on by our integrated locking design with up to three padlocks in the OFF position
- High isolating and switching capacities for safer operations
- Designed for high-reliability in industrial areas: chemical plants, paint manufacturing plants and oil and gas refineries

Standards:

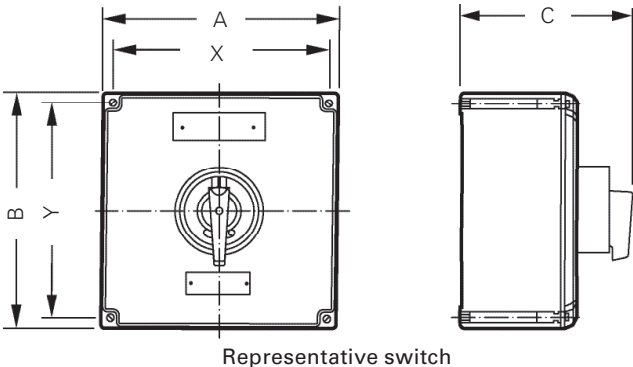
- IEC 60079-0 / EN IEC 60079-0 general requirements
- IEC 60079-1 / EN IEC 60079-1 flameproof requirements “d”
- IEC 60079-7 / EN IEC 60079-7 increased safety requirements “e”
- IEC 60079-31 / EN 60079 protection by enclosure “t”

Certificates and markings:

- BVS 20 ATEX E 094 X; IECEx BVS 20.0076 X
- ATEX marking:
II 2G Ex db eb IIC/IIB T6/T5/T4 Gb
II 2D Ex tb IIIC T80 °C Db
- IECEx marking:
Ex db eb IIC/IIB T6/T5/T4 Gb
Ex tb IIIC T80 °C Db

Dimensions and weights:

Enclosure type	A (mm)	B (mm)	C (mm)	X (mm)	Y (mm)	Weight (kg)
GRP Size 1	110	170	129	96	150	1.54
GRP Size 2	140	225	156	123 - 126	197	2.00
GRP Size 3	271	271	200	247	247	3.15
Stainless Steel Size 2	175	392.5	216	109.5	362.5	4.55
Stainless Steel Size 3	312.5	392.5	216	247	362.5	6.44



Representative switch



Standard materials and finishes:

- Enclosure – GRP black (Glass-Fibre Reinforced Polyester) or Stainless Steel (AISI 316L)
- Gasket – Silicone, foamed
- Lid screws – M4 / M6 captive screws (304 stainless steel)
- Mounting plates and protective canopies - Glass-Fibre Reinforced Polyester

Technical specifications:

- Ambient temperature range: -55°C up to +55°C
- 30,000 switching cycles electrical and mechanical lifetime
- Connecting terminals:
Main contact: 1 x 2.5 - 16 mm², 2 x 1.5 - 10 mm²
Auxiliary contact 1NO: 1 x 0.5 - 2.5 mm² (pin cable lug),
1 x 2.5 - 16 mm²
Auxiliary contact: 1 x 0.5 - 2.5 mm², 2 x 0.5 - 1.5 mm²
- Environmental degree of protection: IP66
- High impact resistance: IK 09
- Enclosure mounting – 4 holes for M4 to M6 screws
- Retrofittable auxiliary contacts

Electrical ratings:

- Rated operating voltage (Ue): 690V - 50/60Hz; 60/120V DC
- Rated operating current (Ie): max 32A
- Back-up fuse 50A gG short circuit current limitation
- Isolating functions (IEC/EN 60947-3), AC-3, DC-23 switching capacity

CEAG GHG25 safety switches and switch disconnectors

Ordering details - Switch Disconnector:



		Enclosure material								
Enclosure type	Cross section	Load			Auxiliary contact 1No ²	GRP	GRP + internal earth plate + stud	Stainless Steel + ext. earth stud	Cable entries	Order No.
		20A	25 A	32 A						
Switch-disconnector 3-pole										
Size 1	2.5 mm ²	X			X	X			2x M32, 1x M25	GHG2521311R0303
Size 1	4.0 mm ²	X	X	X	X	X				
Size 2	6.0 mm ²	X	X	X	X	X			2x M32, 1x M25	GHG2521312R0303
Size 3	10.0 mm ²	X	X	X	X	X			2x M40, 1x M25	GHG2521313R0309
Size 3	16.0 mm ²	X	X	X	X	X				
Size 1	2.5 mm ²	X			X	X			2x M25, 1x M20	GHG2521311R0322
Size 1	4.0 mm ²	X	X	X	X	X				
Size 2	6.0 mm ²	X	X	X	X	X			2x M25, 1x M20	GHG2521312R0322
Size 3	10.0 mm ²	X	X	X	X	X			2x M32, 1x M20	GHG2521313R0328
Size 3	16.0 mm ²	X	X	X	X	X				
Size 2	2.5 mm ²	X	X		X			X	2x M25, 1x M20	GHG2521322R0341
Size 2	4.0 mm ²	X	X	X	X			X		
Size 2	6.0 mm ²	X	X	X	X			X		
Size 3	10.0 mm ²	X	X	X	X			X	2x M32, 1x M20	GHG2521323R0345
Size 3	16.0 mm ²	X	X	X	X			X		
Switch-disconnector 4-pole										
Size 1	2.5 mm ²	X				X			2x M32, 1x M25	GHG2521411R0003
Size 1	4.0 mm ²	X	X	X		X				
Size 2	6.0 mm ²	X	X	X		X			2x M32, 1x M25	GHG2521412R0003
Size 3	10.0 mm ²	X	X	X		X			2x M40, 1x M25	GHG2521413R0009
Size 3	16.0 mm ²	X	X	X		X				
Size 1	2.5 mm ²	X				X			2x M25, 1x M20	GHG2521411R0022
Size 1	4.0 mm ²	X	X	X		X				
Size 2	6.0 mm ²	X	X	X		X			2x M25, 1x M20	GHG2521412R0022
Size 3	10.0 mm ²	X	X	X		X			2x M32, 1x M20	GHG2521413R0028
Size 3	16.0 mm ²	X	X	X		X				
Size 2	2.5 mm ²	X	X			X			2x M25, 1x M20	GHG2521422R0041
Size 2	4.0 mm ²	X	X	X		X				
Size 2	6.0 mm ²	X	X	X		X				
Size 3	10.0 mm ²	X	X	X		X			2x M32, 1x M20	GHG2521423R0045
Size 3	16.0 mm ²	X	X	X		X				

² Auxiliary contact in main switch as NO

CEAG GHG25 safety switches and switch disconnectors

Ordering details - Switch Disconnector:



		Enclosure material								
Enclosure type	Cross section	Load			Auxiliary contact 1No ²	GRP	GRP + internal earth plate + stud	Stainless Steel + ext. earth stud	Cable entries	Order No.
		20A	25 A	32 A						
Switch-disconnector 6-pole										
Size 3	2.5 mm²	X	X			X			4x M32, 1x M25	GHG2521613R0002
Size 3	4.0 mm²	X	X	X		X				
Size 3	6.0 mm²	X	X	X		X				
Size 3	10.0 mm²	X	X	X		X				
Size 3	16.0 mm²	X	X	X		X				
Size 3	2.5 mm²	X	X			X			4x M25, 1x M20	GHG2521613R0022
Size 3	4.0 mm²	X	X	X		X				
Size 3	6.0 mm²	X	X	X		X				
Size 3	10.0 mm²	X	X	X		X				
Size 3	16.0 mm²	X	X	X		X				
Size 3	2.5 mm²	X	X					X	4x M25, 1x M20	GHG2521623R0041
Size 3	4.0 mm²	X	X	X				X		
Size 3	6.0 mm²	X	X	X				X		
Size 3	10.0 mm²	X	X	X				X		
Size 3	16.0 mm²	X	X	X				X		
Size 3	2.5 mm²	X	X		X	X			4x M32, 1x M25	GHG2521613R0302
Size 3	4.0 mm²	X	X	X	X	X				
Size 3	6.0 mm²	X	X	X	X	X				
Size 3	10.0 mm²	X	X	X	X	X				
Size 3	16.0 mm²	X	X	X	X	X				
Size 3	2.5 mm²	X	X		X	X			4x M25, 1x M20	GHG2521613R0322
Size 3	4.0 mm²	X	X	X	X	X				
Size 3	6.0 mm²	X	X	X	X	X				
Size 3	10.0 mm²	X	X	X	X	X				
Size 3	16.0 mm²	X	X	X	X	X				
Size 3	2.5 mm²	X	X		X		X		4x M25, 1x M20	GHG2521623R0341
Size 3	4.0 mm²	X	X	X	X		X			
Size 3	6.0 mm²	X	X	X	X		X			
Size 3	10.0 mm²	X	X	X	X		X			
Size 3	16.0 mm²	X	X	X	X		X			

² Auxiliary contact in main switch as NO

CEAG GHG25 safety switches and switch disconnectors

Ordering details - Safety Switches:



		Enclosure material								
Enclosure type	Cross section	Load			Auxiliary contact 1No ²	GRP	GRP + internal earth plate + stud	Stainless Steel + ext. earth stud	Cable entries	Order No.
		20A	25 A	32 A						
Safety switch 3-pole										
Size 1	2.5 mm ²	X			X	X			2x M32, 1x M25	GHG2522311R0303
Size 1	4.0 mm ²	X	X	X	X	X				
Size 2	6.0 mm ²	X	X	X	X	X			2x M32, 1x M25	GHG2522312R0303
Size 3	10.0 mm ²	X	X	X	X	X			2x M40, 1x M25	GHG2522313R0309
Size 3	16.0 mm ²	X	X	X	X	X				
Size 1	2.5 mm ²	X			X	X			2x M25, 1x M20	GHG2522311R0322
Size 1	4.0 mm ²	X	X	X	X	X				
Size 2	6.0 mm ²	X	X	X	X	X			2x M25, 1x M20	GHG2522312R0322
Size 3	10.0 mm ²	X	X	X	X	X			2x M32, 1x M20	GHG2522313R0328
Size 3	16.0 mm ²	X	X	X	X	X				
Size 2	2.5 mm ²	X	X		X			X	2x M25, 1x M20	GHG2522322R0341
Size 2	4.0 mm ²	X	X	X	X			X		
Size 2	6.0 mm ²	X	X	X	X			X		
Size 3	10.0 mm ²	X	X	X	X			X	2x M32, 1x M20	GHG2522323R0345
Size 3	16.0 mm ²	X	X	X	X			X		
EMERGENCY STOP 3-pole										
Size 1	2.5 mm ²	X			X	X			2x M32, 1x M25	GHG2524311R0303
Size 1	4.0 mm ²	X	X	X	X	X				
Size 2	6.0 mm ²	X	X	X	X	X			2x M32, 1x M25	GHG2524312R0303
Size 3	10.0 mm ²	X	X	X	X	X			2x M40, 1x M25	GHG2524313R0309
Size 3	16.0 mm ²	X	X	X	X	X				
Size 1	2.5 mm ²	X			X	X			2x M25, 1x M20	GHG2524311R0322
Size 1	4.0 mm ²	X	X	X	X	X				
Size 2	6.0 mm ²	X	X	X	X	X			2x M25, 1x M20	GHG2524312R0322
Size 3	10.0 mm ²	X	X	X	X	X			2x M32, 1x M20	GHG2524313R0328
Size 3	16.0 mm ²	X	X	X	X	X				
Size 2	2.5 mm ²	X	X		X			X	2x M25, 1x M20	GHG2524322R0341
Size 2	4.0 mm ²	X	X	X	X			X		
Size 2	6.0 mm ²	X	X	X	X			X		
Size 3	10.0 mm ²	X	X	X	X			X	2x M32, 1x M20	GHG2524323R0345
Size 3	16.0 mm ²	X	X	X	X			X		

² Auxiliary contact in main switch as NO

CEAG GHG25 safety switches and switch disconnectors

Ordering details - Safety Switches:

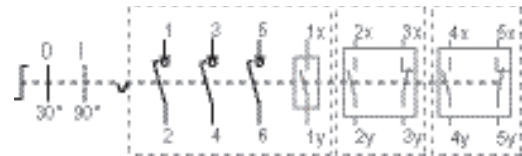


		Enclosure material								
Enclosure type	Cross section	Load			Auxiliary contact 1No ²	GRP	GRP + internal earth plate + stud	Stainless Steel + ext. earth stud	Cable entries	Order No.
		20A	25 A	32 A						
EMERGENCY STOP 6-pole										
Size 3	2.5 mm²	X	X		X	X			4x M32, 1x M25	GHG2522613R0302
Size 3	4.0 mm²	X	X	X	X	X				
Size 3	6.0 mm²	X	X	X	X	X				
Size 3	10.0 mm²	X	X	X	X	X				
Size 3	16.0 mm²	X	X	X	X	X				
Size 3	2.5 mm²	X	X		X		X		4x M25, 1x M20	GHG2522613R0322
Size 3	4.0 mm²	X	X	X	X		X			
Size 3	6.0 mm²	X	X	X	X		X			
Size 3	10.0 mm²	X	X	X	X		X			
Size 3	16.0 mm²	X	X	X	X		X			
Size 3	2.5 mm²	X	X		X			X	4x M25, 1x M20	GHG2522623R0341
Size 3	4.0 mm²	X	X	X	X			X		
Size 3	6.0 mm²	X	X	X	X			X		
Size 3	10.0 mm²	X	X	X	X			X		
Size 3	16.0 mm²	X	X	X	X			X		

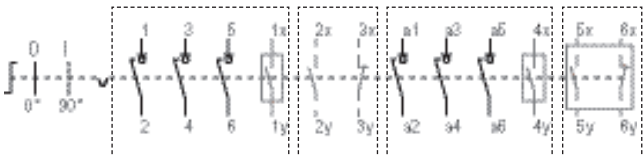
Ordering details: Accessories:

Type	Description	Order No.
Auxiliary switches, coupling set and pin cable lugs		
Ex - d Aux switch	1 NC	GHG2593251R0001
Ex - d Aux switch	1 NO	GHG2593241R0001
Ex - d Aux switch	1 NO + 1 NC	GHG2593211R0001
Ex-i Upgrading kit		GHG2501903R0001
Coupling set for 2x switch blocks		GHG2501901R0001
Set of pin cable lugs for Aux	(2x 0.5 - 1mm ² , 2x 1.5 - 2.5mm ²)	GHG2501904R0001
Set of pin cable lugs for Aux	(10x 0.5 - 1mm ² , 10x 1.5 - 2.5mm ²)	GHG2501904R0002

Circuit diagrams



3pole. Main Switch c/w aux NO / optional aux / optional aux



3pole. Main Switch c/w aux NO / optional aux/ 3pol.
Main Switch c/w aux NO / optional aux

CEAG GHG25 safety switches and switch disconnectors

Ordering details: Accessories:

Type	Fixing method	Order No.
Mounting plate for Size 1 safety switches and switch disconnectors		
Wall mounting	snap on	GHG6101953R0104
Pipe clamp	snap on	GHG6101953R0105
Trellis-work mounting	snap on	GHG6101953R0106
Mounting plate for Size 2 safety switches and switch disconnectors		
Wall mounting	snap on	GHG6101953R0118
Pipe clamp	snap on	GHG6101953R0110
Trellis-work mounting	snap on	GHG6101953R0118
Mounting plate for Size 3 safety switches and switch disconnectors		
Pipe clamp (2X)	screw-on	GHG6101953R0110



Mounting plate

Type	OU	Order No.
Mounting plate accessories		
Label holder with type label (blank) for mounting plate size 2 and 3	10	GHG6101953R0057
Mounting hardware for pipes 1" (Ø 27 - 30 mm) for pipe clamp mounting plates	10	GHG6101953R0020

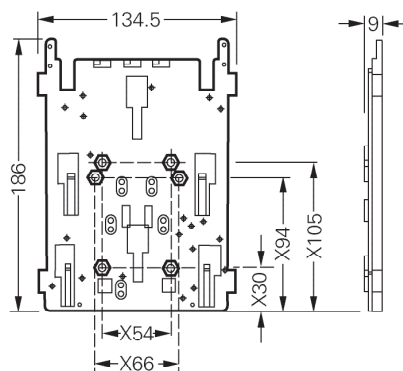


Protective canopy
(Requires mounting plate for installation)

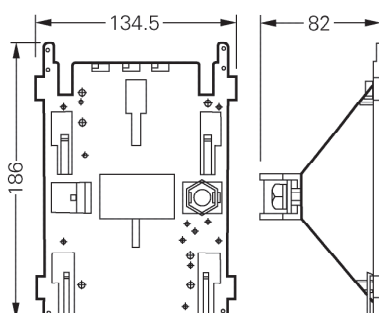
Type	Application notes	Order No.
Protective canopy - requires mounting plate for installation		
Canopy for size 1 safety switches and switch disconnectors		GHG6101955R0102
Canopy for size 2 safety switches and switch disconnectors	installs on pipe clamp mounting plates only	GHG6101955R0104
Canopy for size 3 safety switches and switch disconnectors		GHG6101955R0106

Dimensions: Mounting plates and canopies

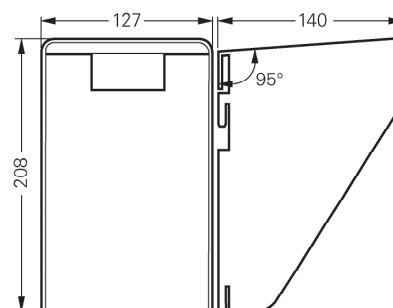
For size 1 safety switches and switch disconnectors



Mounting plate for wall/trellis mounting



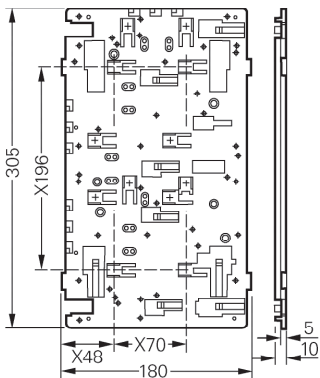
Mounting plate for pipe mounting



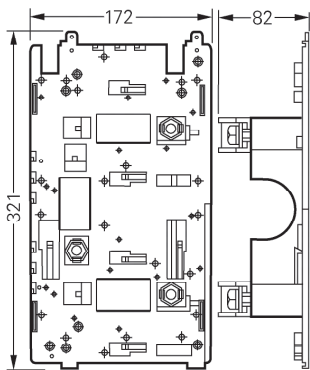
Protective canopy for wall, trellis
and pipe clamp mounting plates

Dimensions: Mounting plates and canopies

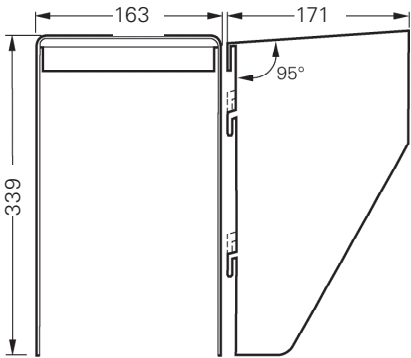
For size 2 safety switches and switch disconnectors



Mounting plate for wall/trellis mounting

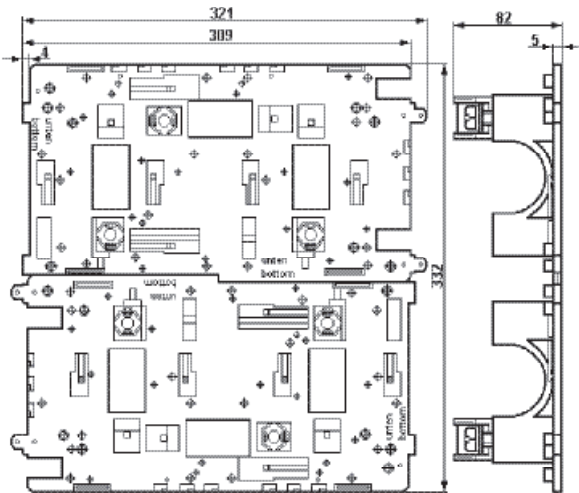


Mounting plate for pipe clamp mounting

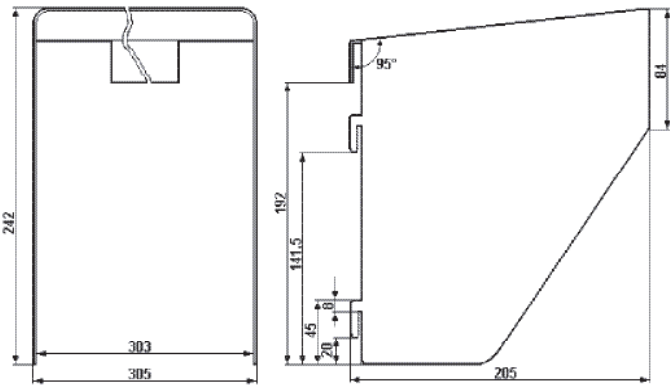


Protective canopy for pipe clamp mounting plates

For size 3 safety switches and switch disconnectors



Mounting plate for pipe clamp mounting
(2 plates installed horizontally)



Protective canopy for pipe mounting plates

5.1

GHG 26 / EXKO 2.. Ex-Safety Switches

Rated current from 10 A - 630 A

Safety for your protection

5

CEAG safety switches can be protected against inadvertent switching on by our integrated locking facility for up to three padlocks in the OFF position. To prevent manipulations, the enclosure covers cannot be opened in the locked position without destroying the enclosure itself.

Full AC-3 switching capacity

All CEAG safety switches feature full AC-3 motor switching capacities and isolating properties according to EN 60947-4-1 with compulsory opening of the main current contacts; optional EMERGENCY STOP versions according to EN 60204-1 are also available. An additional lagging/leading auxiliary contacts (option) guarantee double safety for extreme switching conditions.

Installation-friendly design

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

Versions in impact-resistant polyamide or glass-fibre-reinforced polyester enclosures provide the high degree of protection IP66 for safety switches up to 180 A. These can be optionally supplied with snap-on moulded plastic or brass flanges. Safety switches for amperages up to 630 A are supplied in metal enclosures. These can be equipped with screw-on flanges.

Explosion Group IIB

The described safety switches at the sizes 210- 630 A are also available for Explosion Group IIB, which is sufficient for many of the applications.

Enclosed Switch-Disconnectors to provide isolation during repair and maintenance.

GHG 26 switches (10-160 A) and GHG 981 switches (25- 80 A) are now confirmed to comply with the new standard IEC 62626-1, requirements Class 1.

The new standard IEC 62626-1 defines the requirements for safety switches (switch-disconnectors) that are used to provide isolation of equipment during repair and maintenance. These requirements go above and beyond those of IEC 60947-3, where no standard previously existed.

The standard divides products into two classifications: Class 0 for general use and Class 1 for harsh and rough/heavy duty conditions.

All products installed in ATEX/ IECEx hazardous areas should be rated for Class 1. Class 1 requirements include minimum ratings for mechanical strength, IP protection, tamper resistance, heat/vibration/corrosion resistance, switching capacity, and locking capability.



Features

- Full AC-3 switching capacity
- Double safety: additional auxiliary contact
- Cost-saving installation up to 180 A
- Snap-on mounting up to 40 A
- IP66 protection up to 180 A



3-pole EMERGENCY STOP



3-pole

Technical data

Ex-safety switches 10 A

Marking accd. to 2014/34/EU	Ex II 2 G Ex ed 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
Switch-disconnector for maintenance accd. to IEC 62262-1	Class 1
Back-up fuse	up to 400 V AC: 20 A gG up to 500 V AC: 16 A gG
Connecting terminals	main contact 2 x 1.5 - 2.5 mm ² auxiliary-/Signal contact 2 x 0.5 - 2.5 mm ² (option)
Degree of protection accd. to EN 60529	IP66
Protection class	I
Cable glands/enclosure drilling	M20 cable gland see ordering details M25 cable gland see ordering details
Weight	0.55 kg
Enclosure material	impact resistant polyamide
Enclosure colour	black
Auxiliary contact (option)	1 x NO making - lagging; breaking - leading
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-safety switches 10 A



3-pole



3-pole EMERGENCY STOP

Ordering details

Content	Cable gland	Auxiliary contact	Order No.
Safety switch 10 A 3-pole			
3-pole	2 x M25 / 1 x M20	1 NO	GHG 261 0005 R0009
3-pole	2 x M25	none	GHG 261 0007 R0001
3-pole	2 x M20	1 NO	GHG 261 0005 R0005
3-pole EMERGENCY STOP	2 x M25 / 1 x M20	1 NO	GHG 261 0005 R0010
3-pole EMERGENCY STOP	2 x M25	none	GHG 261 0007 R0002
Safety switch 10 A 4-pole	2 x M25	none	GHG 261 0007 R0003

Customized version on request, auxiliary contacts in Ex ia available

Accessories

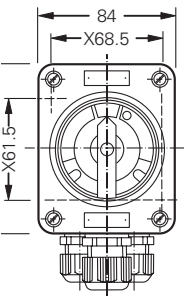
Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 10 A 3-pole			
Size 1	Wall mounting	screwless mounting	GHG 610 1953 R0101
Size 1	Pipe clamp	screwless mounting	GHG 610 1953 R0102
Size 1	Trellis-work mounting	screwless mounting	GHG 610 1953 R0103

Type	Application	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
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing		10	GHG 610 1953 R0020

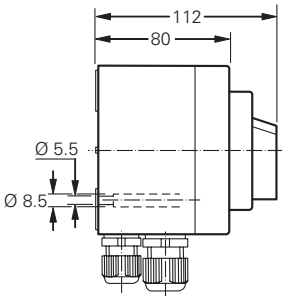
Type	Application	OU	Order No.
Canopies for mounting plates			
Size 1	for mounting plate size 1	1	GHG 610 1955 R0101

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

Dimension drawing



3-pole



X = fixing dimensions



6-pole EMERGENCY STOP



6-pole



3-pole EMERGENCY STOP



3-pole

Technical data

Ex-safety switches 20 A

Marking accd. to 2014/34/EU	Ex II 2 G Ex ed ia IIC T6 / Ex 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 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-/rated 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
Rated making-/ breaking capacity DC 1/DC 23 accd. EN 60947-3	U _e 60 V / I _e 20 A (1 contact) U _e 120 V / I _e 20 A (2 contacts in series)
Rated making-/ breaking capacity DC-13 (L/R = 100 ms) accd. EN 60947-3	U _e 60 V / I _e 6 A
Switch-disconnector for maintenance accd. to IEC 62262-1	Class 1
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 2 x 4 mm ² auxiliary-/Signal contact 2 x 0.5 - 2.5 mm ² (option)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable glands/enclosure drilling	M20 cable gland see ordering details M25 cable gland see ordering details M32 cable gland see ordering details Option: metal flange with thread
Weight	3-pole approx. 1.48 kg 6-pole approx. 2.43 kg
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black
Auxiliary contact (option)	1 x NO making - lagging; breaking - leading 1 x NC (only 6-pole version) making - leading; breaking - lagging
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-safety switches 20 A



3-pole



3-pole EMERGENCY STOP



6-pole



6-pole EMERGENCY STOP

Ordering details

5

Content	Cable gland	Auxiliary contact	Order No.
Safety switch 20 A 3-pole			
3-pole	2 x M32 / 1 x M25	1 NO	GHG 262 2301 R0001
3-pole	2 x M32	none	GHG 262 2304 R0001
3-pole EMERGENCY STOP	2 x M32 / 1 x M25	1 NO	GHG 262 2301 R0002
3-pole EMERGENCY STOP	2 x M32	none	GHG 262 2304 R0002
Safety switch 20 A 4-pole			
4-pole	2 x M20	1 NO + 1 NC	GHG 262 2301 R0007
4-pole	2 x M32 / 1 x M25	1 NO + 1 NC	GHG 262 2301 R0009
4-pole	2 x M32	none	GHG 262 2304 R0004
4-pole	2 x M20	none	GHG 262 2304 R0003
4-pole EMERGENCY STOP	2 x M32 / 1 x M25	1 NO + 1 NC	GHG 262 2301 R0010
Safety switch 20 A 6-pole			
6-pole	4 x M32 / 1 x M25	1 NO + 1 NC	GHG 262 2601 R0001
6-pole	4 x M25	1 NO + 1 NC	GHG 262 2601 R0005
6-pole EMERGENCY STOP	4 x M32 / 1 x M25	1 NO + 1 NC	GHG 262 2601 R0002

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety 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
Mounting plate for Ex-safety switches 20 A 6-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		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
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.
Canopies			
Size 2	for mounting plate size 2	1	GHG 610 1955 R0102
Size 2A	for mounting plate size 2A	1	GHG 610 1955 R0103
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.



6-pole EMERGENCY STOP



6-pole

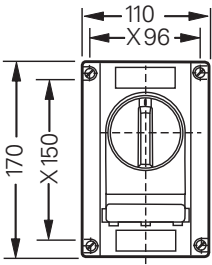


3-pole EMERGENCY STOP

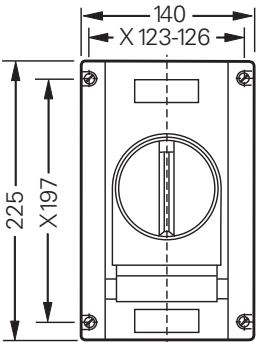
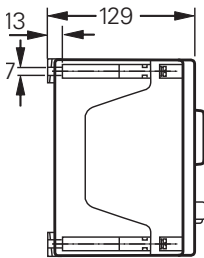


3-pole

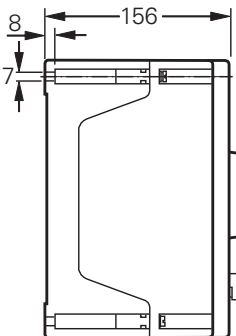
Dimension drawing



3/4-pole



6-pole



X = fixing dimensions

GHG 263 - Ex-safety switches 40 A



3-pole



3-pole EMERGENCY STOP



6-pole



6-pole EMERGENCY STOP

Technical data

Ex-safety switches 40 A

Marking accd. to 2014/34/EU	II 2 G Ex ed ia 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 IIC T6 Ex tD A21 IP66 T53 °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	
Rated making-/ breaking capacity DC 1/DC 23 accd. EN 60947-3	U _e 60 V / I _e 40 A (1 contact) U _e 120 V / I _e 40 A (2 contacts in series)	
Switch-disconnector for maintenance accd. to IEC 62262-1	Class 1	
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 (option)
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
	4-pole	approx. 2.75 kg
	6-pole	approx. 6.50 kg
Enclosure material	glass-fibre reinforced polyester	
Enclosure colour	black	
Auxiliary contact (option)	1 x NO making - lagging; breaking - leading 1 x NC (only 6-pole version) making - leading; breaking - lagging	
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)	

¹⁾ Other ambient temperatures on request



6-pole EMERGENCY STOP



6-pole



3-pole EMERGENCY STOP



3-pole

Ordering details

Content	Cable gland	Auxiliary contact	Order No.
Safety switch 40 A 3-pole			
3-pole	2 x M40 / 1 x M25	1 NO	GHG 263 2301 R0001
3-pole	2 x M40	none	GHG 263 2303 R0001
3-pole EMERGENCY STOP	2 x M40 / 1 x M25	1 NO	GHG 263 2301 R0002
3-pole EMERGENCY STOP	2 x M40	none	GHG 263 2303 R0002
Safety switch 40 A 4-pole			
4-pole	2 x M25	1 NO + 1 NC	GHG 263 2301 R0007
4-pole	2 x M25	none	GHG 263 2303 R0003
4-pole	2x M40 / 1 x M25	1 NO + 1 NC	GHG 263 2303 R0009
4-pole	2x M40	none	GHG 263 2303 R0004
Safety switch 40 A 6-pole			
6-pole	4 x M40 / 1 x M25	1 NO + 1 NC	GHG 263 0050 R0001
6-pole	4 x M25	1 NO + 1 NC	GHG 263 0050 R0006
6-pole EMERGENCY STOP	4 x M40 / 1 x M25	1 NO + 1 NC	GHG 263 0050 R0002

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety 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-safety 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 for label holder and mounting plates size 4 and size 5	10	GHG 610 1953 R0011
Blind plug for mounting plate size 4 and size 5 1 set = 1 pcs.	10	GHG 610 1953 R0134
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.
Canopies			
Size 4	for mounting plate size 4	1	GHG 610 1955 R0107

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

GHG 263 - Ex-safety switches 40 A



3-pole



3-pole EMERGENCY STOP



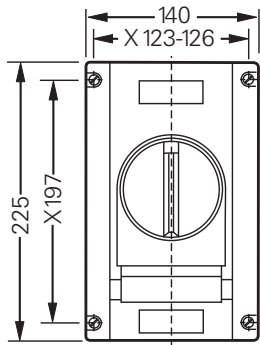
6-pole



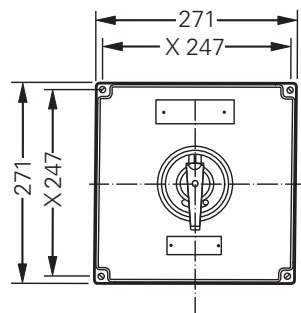
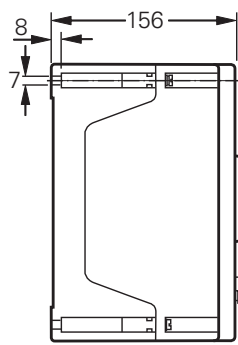
6-pole EMERGENCY STOP

Dimension drawing

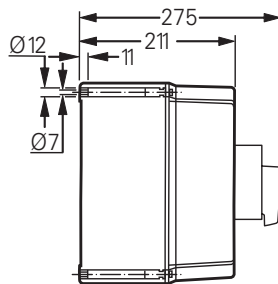
5



3/4-pole



6-pole



X = fixing dimensions



6-pole EMERGENCY STOP



6-pole



3/4-pole EMERGENCY STOP



3/4-pole

Technical data

Ex-safety switches 80 A

Marking accd. to 2014/34/EU	II 2 G Ex ed ia IIC T6 / II 2 D Ex tD A21 IP66 T80 °C	
EC-Type Examination Certificate	PTB 00 ATEX 1091	
IECEx Certificate of Conformity	BKI 07.0010	
Marking accd. to IECEx	Ex ed ia IIC T6 Ex tD A21 IP66 T53 °C	
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	
Rated making-/ breaking capacity DC 1/DC 23 accd. EN 60947-3	U _e 60 V / I _e 80 A (1 contact) U _e 120 V / I _e 80 A (2 contacts in series)	
Switch-disconnector for maintenance accd. to IEC 62262-1	Class 1	
Back-up fuse	up to 400 V AC: 160 A gG up to 500 V AC: 160 A gG up to 690 V AC: 125 A gG	
Connecting terminals	main contact	2 x 25 mm ²
	auxiliary/signal contact	2 x 4 mm ² (option)
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 M50 cable gland see ordering details Option: metal flange with thread	
Weight	3/4-pole	approx. 6.5 kg
	6-pole	approx. 9.0 kg
Enclosure material	glass-fibre reinforced polyester	
Enclosure colour	black	
Auxiliary contact (option)	1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging	
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-safety switches 80 A



3/4-pole



3/4-pole EMERGENCY STOP



6-pole



6-pole EMERGENCY STOP

Ordering details

5

Content	Cable gland	Auxiliary contact	Order No.
Safety switch 80 A 3-pole			
3-pole	2 x M50 / 1 x M25	1 NO + 1 NC	GHG 264 0020 R0001
3-pole	2 x M50	none	GHG 264 0025 R0001
3-pole EMERGENCY STOP	2 x M50 / 1 x M25	1 NO + 1 NC	GHG 264 0020 R0002
3-pole EMERGENCY STOP	2 x M50	none	GHG 264 0025 R0002
Safety switch 80 A 4-pole			
4-pole	2 x M50 / 1 x M25	1 NO + 1 NC	GHG 264 0020 R0012
4-pole	2 x M50	none	GHG 264 0025 R0004
4-pole	2 x M32	1 NO + 1 NC	GHG 264 0020 R0006
4-pole	2 x M32	none	GHG 264 0025 R0003
Safety switch 80 A 6-pole			
6-pole	4 x M50 / 1 x M25	1 NO + 1 NC	GHG 264 0021 R0001
6-pole EMERGENCY STOP	4 x M50 / 1 x M25	1 NO + 1 NC	GHG 264 0021 R0002

Customized version on request, auxiliary contacts in Ex ia available

Accessories

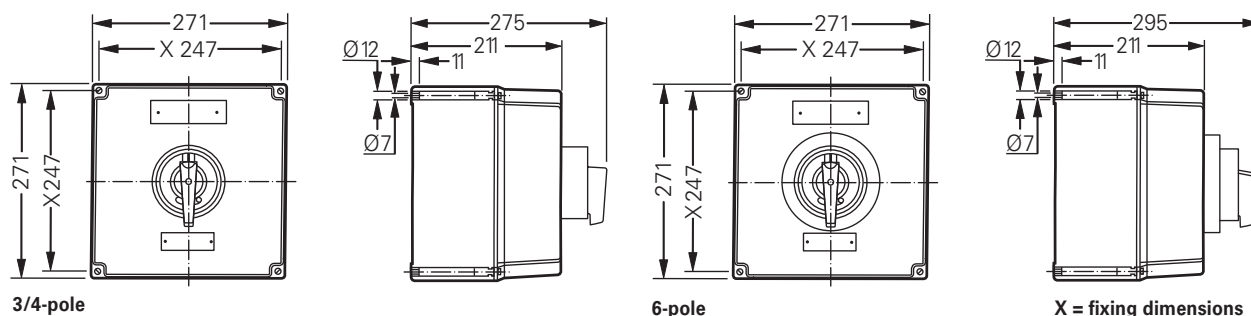
Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 80 A 3/4- and 6-pole			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110

¹⁾ observe mounting distance

Type	OU	Order No.
Accessories for mounting plates		
Type label for label holder and mounting plates size 4 and size 5	10	GHG 610 1953 R0011
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Dimension drawing



Dimensions in mm



6-pole EMERGENCY STOP



6-pole



3/4-pole EMERGENCY STOP



3/4-pole

Technical data

Ex-safety switches 125 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	3/4-pole 6-pole	PTB 99 ATEX 1164 PTB 00 ATEX 1073
IECEx Certificate of Conformity		BKI 07.0005
Marking accd. to IECEx		Ex de IIC T6 Ex tD A21 IP66 T53 °C
Permissible ambient temperature		-20 °C up to +40 °C ¹⁾
Rated voltage		up to max. 690 V
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 110 A
Switch-disconnector for maintenance accd. to IEC 62262-1		Class 1
Back-up fuse		up to 400 V AC: 200 A gG up to 500 V AC: 200 A gG up to 690 V AC: 160 A gG
Connecting terminals	main contact 3/4-pole 6-pole auxiliary/signal contact	1 x 50/70 mm ² 6 x 95 mm ² /2 x 95 mm ² 2 x 4 mm ² (option)
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 M63 cable gland see ordering details Option: metal flange with 2 x thread
Weight	3/4-pole 6-pole	approx. 16 kg approx. 31 kg
Enclosure material	3/4-pole 6-pole	glass-fibre reinforced polyester sheet steel polyester powder coated
Enclosure colour	3/4-pole 6-pole	RAL 7032 black
Auxiliary contact (option)		1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging
Padlocking facility		can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request

GHG 265 / EXKO 2 - Ex-safety switches 125 A



3/4-pole



3/4-pole EMERGENCY STOP



6-pole



6-pole EMERGENCY STOP

Ordering details

5

Content	Cable gland	Auxiliary contact	Order No.
Safety switch 125 A 3-pole			
3-pole	2 x M63 / 1 x M25	1 NO + 1 NC	GHG 265 0010 R0001
3-pole	2 x M63	none	GHG 265 0015 R0001
3-pole EMERGENCY STOP	2 x M63 / 1 x M25	1 NO + 1 NC	GHG 265 0010 R0002
3-pole EMERGENCY STOP	2 x M63	none	GHG 265 0015 R0002
Safety switch 125 A 4-pole			
4-pole	2 x M40	1 NO + 1 NC	GHG 265 0010 R0005
4-pole	2 x M63	none	GHG 265 0015 R0003
Safety switch 125 A 6-pole			
6-pole	4 x M63 / 1 x M25	1 NO + 1 NC	EXKO 224716 K 0000
6-pole EMERGENCY STOP	4 x M63 / 1 x M25	1 NO + 1 NC	EXKO 224726 K 0000

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 125 A 3/4-pole²⁾			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110

¹⁾ observe mounting distance

²⁾ 2 pcs. necessary for mounting

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
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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



6-pole EMERGENCY STOP



6-pole

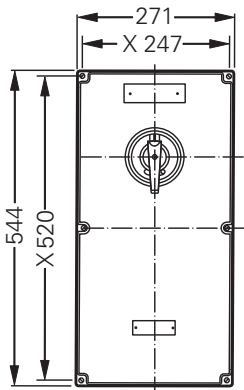


3/4-pole EMERGENCY STOP

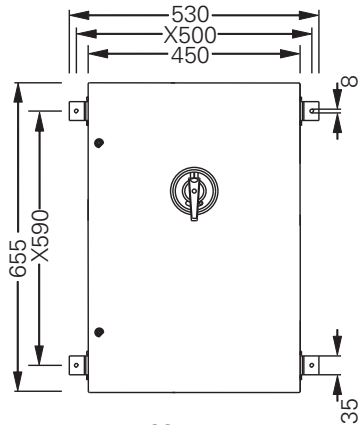
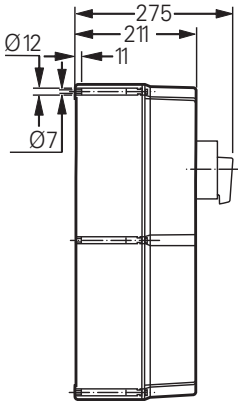


3/4-pole

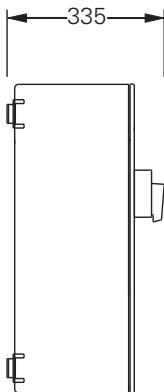
Dimension drawing



3/4-pole



6-pole



X = fixing dimensions

GHG 266 / EXKO 2 - Ex-safety switches 180 A



3/4-pole



3/4-pole EMERGENCY STOP



6-pole



6-pole EMERGENCY STOP

Technical data

Ex-safety switches 180 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	3/4-pole 6-pole	PTB 99 ATEX 1164 PTB 00 ATEX 1073
IECEx Certificate of Conformity		BKI 07.0005
Marking accd. to IECEx		Ex de IIC T6 -55 °C up to +45 °C Ex tD A21 IP66 T53 °C
Permissible ambient temperature		-20 °C up to +40 °C ¹⁾
Rated voltage		up to max. 690 V
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
Switch-disconnector for maintenance accd. to IEC 62262-1		Class 1
Back-up fuse		up to 400 V AC: 250 A gG up to 500 V AC: 250 A gG up to 690 V AC: 200 A gG
Connecting terminals	main contact 3-pole 6-pole auxiliary/signal contact	1 x 120 mm ² 6 x 150 mm ² /2 x 95 mm ² 2 x 4 mm ² (option)
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 M63 cable gland see ordering details Option: metal flange with 2 x thread
Weight	3/4-pole 6-pole	approx. 16.5 kg approx. 31.5 kg
Enclosure material	3/4-pole 6-pole	glass-fibre reinforced polyester sheet steel polyester powder coated
Enclosure colour	3/4-pole 6-pole	black RAL 7032
Auxiliary contact (option)		1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging
Padlocking facility		can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request



6-pole EMERGENCY STOP



6-pole



3/4-pole EMERGENCY STOP



3/4-pole

Ordering details

Content	Cable gland	Auxiliary contact	Order No.
Safety switch 180 A 3-pole			
3-pole	2 x M63 / 1 x M25	1 NC / 1 NO	GHG 266 0006 R0001
3-pole	2 x M63	none	GHG 266 0011 R0001
3-pole EMERGENCY STOP	2 x M63 / 1 x M25	1 NC / 1 NO	GHG 266 0006 R0002
3-pole EMERGENCY STOP	2 x M63	none	GHG 266 0011 R0002
Safety switch 180 A 4-pole			
4-pole	2 x M50	1 NC / 1 NO	GHG 266 0006 R0005
4-pole	4 x M63	none	GHG 266 0011 R0004
4-pole	2 x M50	none	GHG 266 0011 R0003
Safety switch 180 A 6-pole			
6-pole	4 x M63 / 1 x M25	1 NC / 1 NO	EXKO 224716 L 0000
6-pole EMERGENCY STOP	4 x M63 / 1 x M25	1 NC / 1 NO	EXKO 224726 L 0000

Customized version on request, auxiliary contacts in Ex ia available

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 180 A 3/4-pole²⁾			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110

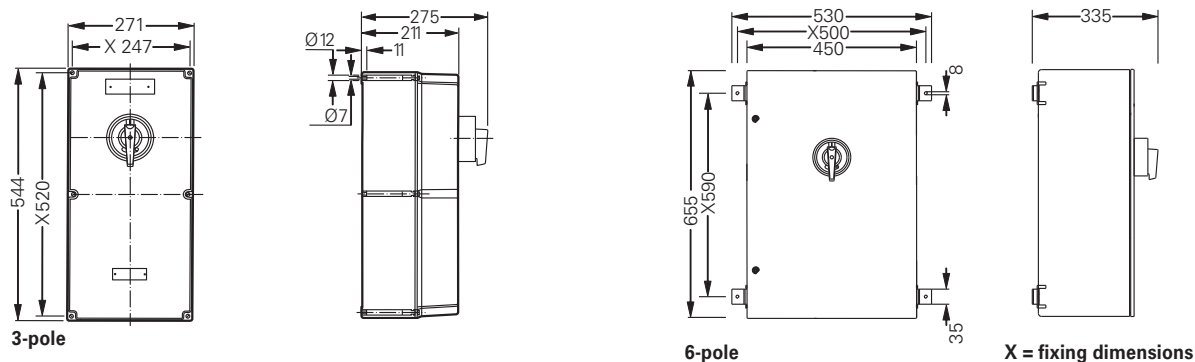
¹⁾ observe mounting distance

²⁾ 2 pcs. necessary for mounting

Type	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

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

Dimension drawing



Dimensions in mm

EXKO 7317 - Ex-safety switches 210 A



3-pole



3-pole EMERGENCY STOP



6-pole



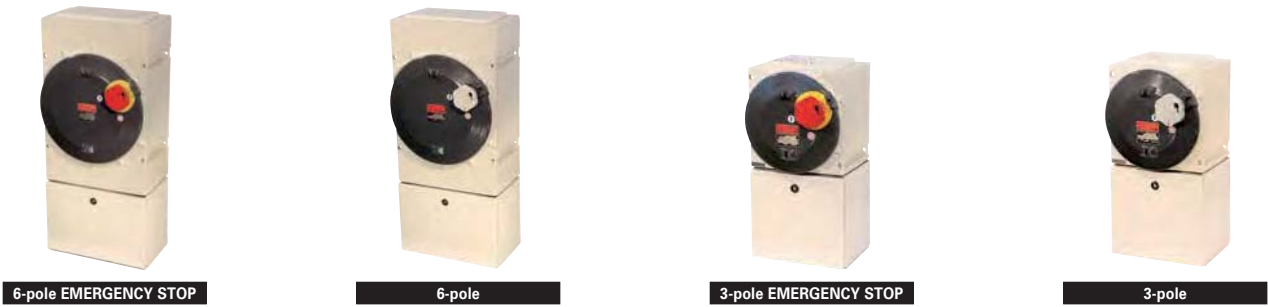
6-pole EMERGENCY STOP

Technical data

Ex-safety switches 210 A

Marking accd. to 2014/34/EU		Ex II 2 G Ex de IIC T6, T5 bzw. T4 ¹⁾ / Ex II 2 D IP66 T80 °C/T95 °C
EC-Type Examination Certificate		PTB 99 ATEX 1057
IECEX Certificate of Conformity		IECEX PTB 12.0026
Marking accd. to IECEx		Ex d IIC T6, T5 or T4 Gb / Ex de IIC T6, T5 or T4 Gb Ex d IIB T6, T5 or T4 Gb / Ex de IIB T6, T5 or T4 Gb
Permissible ambient temperature		-20 °C up to +40 °C
Rated voltage		up to max. 690 V
Rated current		max. 210 A
Frequency		50/60 Hz
Rated making/breaking capacity AC-3 accd. EN 60947-3		Ue 230 V / Ie 210 A Ue 400 V / Ie 210 A Ue 500 V / Ie 210 A Ue 690 V / Ie 210 A
Back-up fuse		up to 400 V AC: 250 A gG up to 500 V AC: 250 A gG up to 690 V AC: 200 A gG
Connecting terminals	main contact 3-pole	3 x 150 mm ² /95 mm ²
	6-pole	6 x 150 mm ² /2 x 95 mm ²
	auxiliary/signal contact	2 x 4 mm ²
Protection class		I
Degree of protection accd. to EN 60529		IP54 (IP65 optional)
Cable glands/enclosure drilling		M25 cable gland see ordering details M63 cable gland see ordering details
Weight	3-pole	approx. 41.5 kg
	6-pole	approx. 84.5 kg
Enclosure material		aluminium, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure	grey (RAL 7032)
	Cover	dark grey (RAL 7022)
Auxiliary contact		1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging
Padlocking facility		can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Also available with Explosion Group IIB

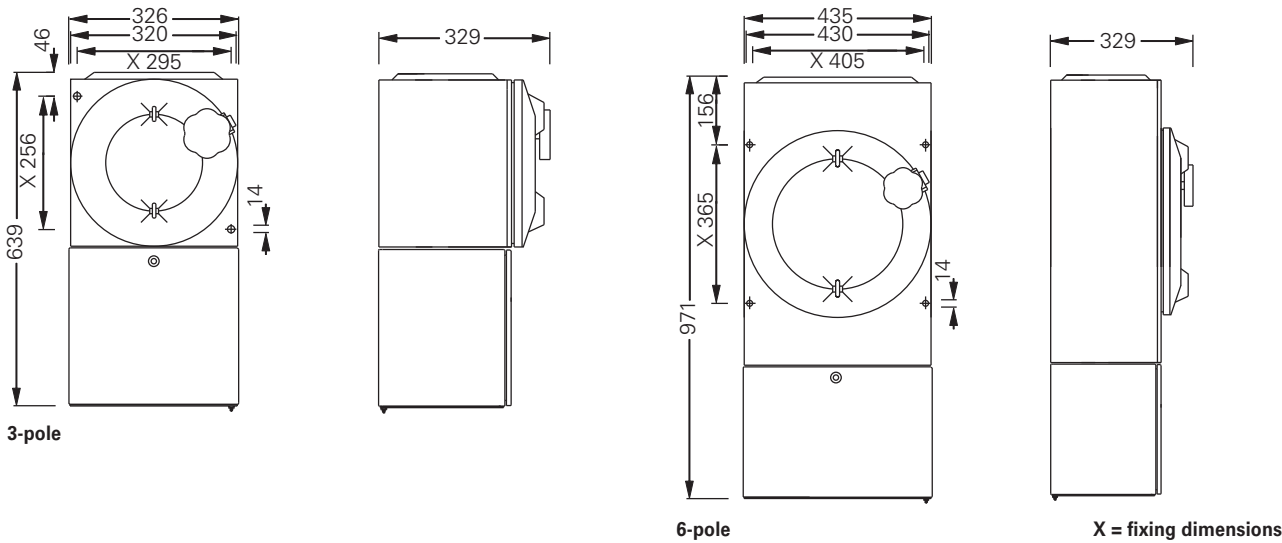


Ordering details

Content	Cable gland	Order No.
Safety switch 210 A 3-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC)		
3-pole	2 x M63 / 1 x M25	EXKO 731713 S0001
3-pole EMERGENCY STOP	2 x M63 / 1 x M25	EXKO 731723 S0001
Safety switch 210 A 6-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC)		
6-pole	4 x M63 / 1 x M25	EXKO 731716 S0001
6-pole EMERGENCY STOP	4 x M63 / 1 x M25	EXKO 731726 S0001

Customized version on request, auxiliary contacts in Ex ia available

Dimension drawing



EXKO 7317 - Ex-safety switches 250 A



3-pole



3-pole EMERGENCY STOP



6-pole



6-pole EMERGENCY STOP

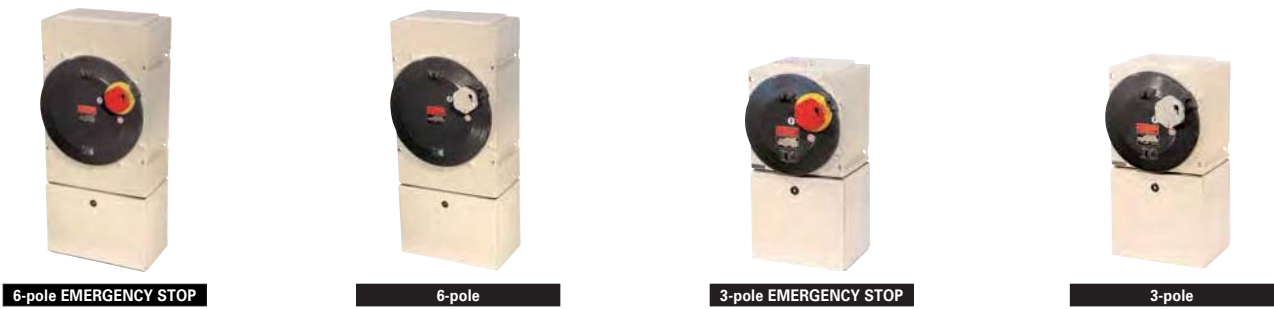
Technical data

Ex-safety switches 250 A

Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex de IIC T6, T5 bzw. T4 ¹⁾ / Ⓔ II 2 D IP66 T80 °C/T95 °C	
EC-Type Examination Certificate	PTB 99 ATEX 1057	
IECEX Certificate of Conformity	IECEX PTB 12.0026	
Marking accd. to IECEx	Ex d IIC T6, T5 or T4 Gb / Ex de IIC T6, T5 or T4 Gb Ex d IIB T6, T5 or T4 Gb / Ex de IIB T6, T5 or T4 Gb	
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 gG up to 500 V AC: 250 A gG up to 690 V AC: 200 A gG	
Connecting terminals	main contact 3-pole 6-pole auxiliary/signal contact	3 x 150 mm ² /95 mm ² 6 x 150 mm ² /2 x 95 mm ² 2 x 4 mm ²
Protection class	I	
Degree of protection accd. to EN 60529	IP54 (IP65 optional)	
Cable glands/enclosure drilling	M25 cable gland see ordering details M63 cable gland see ordering details	
Weight	3-pole 6-pole	approx. 41.5 kg approx. 84.5 kg
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated	
Colour	Enclosure Cover	grey (RAL 7032) dark grey (RAL 7022)
Auxiliary contact	1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging	
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)	

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

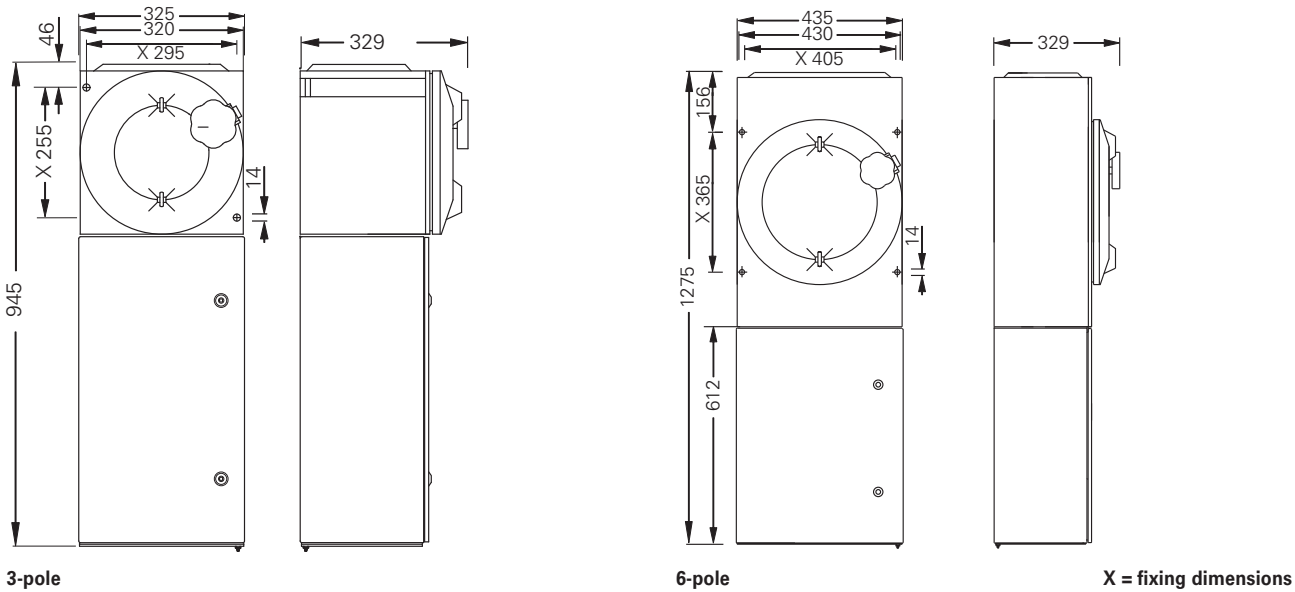


Ordering details

Content	Cable gland	Order No.
Safety switch 250 A 3-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC)		
3-pole	2 x M63 / 1 x M25	EXKO 731713 T0001
3-pole EMERGENCY STOP	2 x M63 / 1 x M25	EXKO 731723 T0001
Safety switch 250 A 6-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC)		
6-pole	4 x M63 / 1 x M25	EXKO 731716 T0001
6-pole EMERGENCY STOP	4 x M63 / 1 x M25	EXKO 731726 T0001

Customized version on request, auxiliary contacts in Ex ia available

Dimension drawing



3-pole

6-pole

X = fixing dimensions

EXKO 7317 - Ex-safety switches 400 A



3-pole



3-pole EMERGENCY STOP

Technical data

Ex-safety switches 400 A

Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex de IIC T6, T5 bzw. T4 ¹⁾ / Ⓔ II 2 D IP66 T80 °C/T95 °C	
EC-Type Examination Certificate	PTB 99 ATEX 1057	
IECEX Certificate of Conformity	IECEX PTB 12.0026	
Marking accd. to IECEx	Ex d IIC T6, T5 or T4 Gb / Ex de IIC T6, T5 or T4 Gb Ex d IIB T6, T5 or T4 Gb / Ex de IIB T6, T5 or T4 Gb	
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 gG up to 500 V AC: 500 A gG up to 690 V AC: 500 A gG	
Connecting terminals	main contact	6 x 150 mm ² /2 x 95 mm ²
	auxiliary/signal contact	2 x 4 mm ²
Protection class	I	
Degree of protection accd. to EN 60529	IP54 (IP65 optional)	
Cable glands/enclosure drilling	M25 cable gland see ordering details M63 cable gland see ordering details	
Weight	approx. 64.5 kg	
Enclosure material	aluminium, powder-coated polyester connection box steel, powder-coated	
Colour	Enclosure	grey (RAL 7032)
	Cover	dark grey (RAL 7022)
Auxiliary contact	1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging	
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)	

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request



3-pole EMERGENCY STOP



3-pole

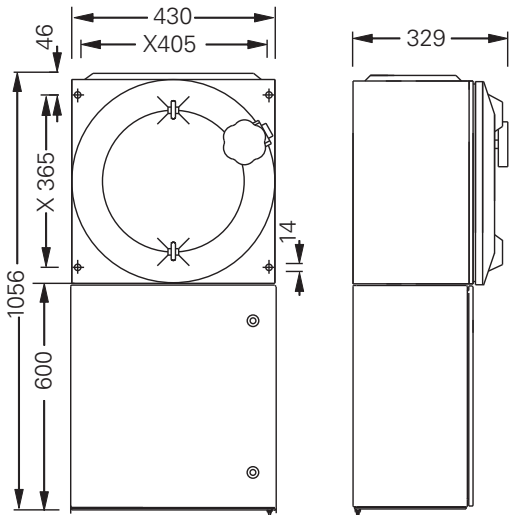
Ordering details

Content	Cable gland	Order No.
Safety switch 400 A 3-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC)		
3-pole	4 x M63 / 1 x M25	EXKO 731713 U0001
3-pole EMERGENCY STOP	4 x M63 / 1 x M25	EXKO 731723 U0001

Customized version on request, auxiliary contacts in Ex ia available

5

Dimension drawing



3-pole

X = fixing dimensions

EXKO 7317 - Ex-safety switches 630 A



3-pole

Technical data

Ex-safety switches 630 A

Marking accd. to 2014/34/EU	Ex II 2 G Ex de IIC T6, T5 bzw. T4 ¹⁾ / Ex II 2 D IP66 T80 °C/T95 °C
EC-Type Examination Certificate	PTB 99 ATEX 1057
IECEX Certificate of Conformity	IECEX PTB 12.0026
Marking accd. to IECEx	Ex d IIC T6, T5 or T4 Gb / Ex de IIC T6, T5 or T4 Gb Ex d IIB T6, T5 or T4 Gb / Ex de IIB T6, T5 or T4 Gb
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 gG up to 500 V AC: 800 A gG up to 690 V AC: 800 A gG
Connecting terminals	main contact auxiliary/signal contact
	6 x 240 mm ² /2 x 120 mm ² 2 x 4 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54 (IP65 optional)
Cable glands/enclosure drilling	M25 cable gland see ordering details M80 Ø 62 - 68 mm see ordering details
Weight	approx. 245 kg
Enclosure material	steel, powder-coated polyester connection box steel, powder-coated
Colour	Enclosure Cover
	grey (RAL 7032) dark grey (RAL 7022)
Auxiliary contact	1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Also available with Explosion Group IIB

²⁾ Other ambient temperatures on request

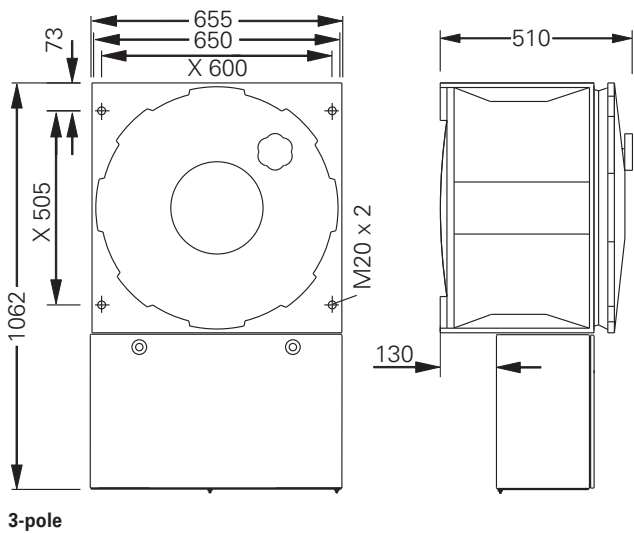


Ordering details

Content	Cable gland	Order No.
Safety switch 630 A 3-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC)		
3-pole	4 x M80 / 1 x M25	EXKO 731713 V0001
3-pole EMERGENCY STOP	4 x M80 / 1 x M25	EXKO 731723 V0001

Customized version on request, auxiliary contacts in Ex ia available

Dimension drawing



GHG 262 - Ex-safety switches for three-phase drives 20 A



3-pole, 20 A

Technical data

Ex-safety switches 20 A for controlled three-phase drives

Marking accd. to 2014/34/EU		II 2 G Ex ed ia 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 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	2 x 4 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 M32 cable gland see ordering details Option: metal flange with 2 x thread
Weight		approx. 1.48 kg
Enclosure material		glass-fibre reinforced polyester
Enclosure colour		black
Aux. contact		1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging
Safety interlock for electronics		1 x NO making - lagging; breaking - leading
Padlocking facility		can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request



Ordering details

Content	Cable gland	Order No.
Safety switch 20 A		
Version with 2 auxiliary contacts (1 NO; 1 x NC), 1 x Safety interlock for electronics (1 x NO)		
3-pole	2 x M32 / 2 x M25	GHG 262 0014 R0001

Customized version on request, auxiliary contacts in Ex ia available

Accessories

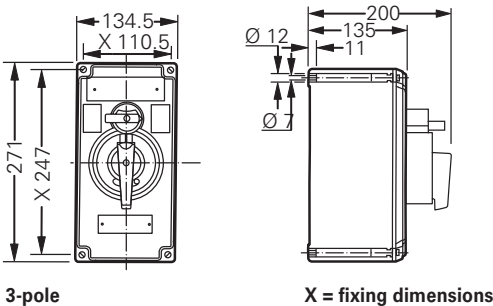
Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 20 A controlled three-phase drives			
Size 3	Wall mounting	screwless mounting	GHG 610 1953 R0118
Size 3	Pipe clamp	screwless mounting	GHG 610 1953 R0110
Size 3	Trellis-work mounting	screwless mounting	GHG 610 1953 R0118

Type	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.
Accessories for canopies plates			
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 3	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



GHG 263 - Ex-safety switches for three-phase drives 40 A



3-pole, 40 A

Technical data

Ex-safety switches 40 A for controlled three-phase drives

Marking accd. to 2014/34/EU	II 2 G Ex ed ia 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 IIC T6 Ex tD A21 IP66 T53 °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 auxiliary/signal contact
	2 x 16 mm ² 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 M40 cable gland see ordering details M50 cable gland see ordering details Option: metal flange with 2 x thread
Weight	approx. 4.3 kg
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black
Aux. contact	1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging
Safety interlock for electronics	1 x NO making - lagging; breaking - leading
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)

¹⁾ Other ambient temperatures on request



Ordering details

Content	Cable gland	Order No.
Safety switch 40 A 3-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC), 1 x Safety interlock for electronics (1 x NO)		
3-pole	2 x M40 / 2 x M25	GHG 263 0053 R0001

Customized version on request, auxiliary contacts in Ex ia available

Accessories

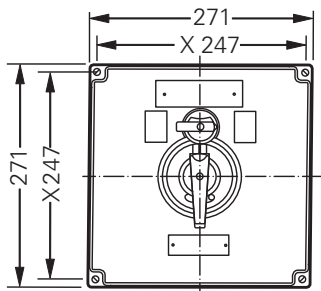
Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 125 A/180 A 3-pole			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110

¹⁾ observe mounting distance

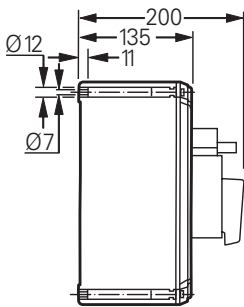
Type	OU	Order No.
Accessories for mounting plates		
Label holder with label (unlabelled) for mounting plate size 1, 2, 2A and 3	10	GHG 610 1953 R0057
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Dimension drawing



Ex-safety switches 40 A



X = fixing dimensions

GHG 264 - Ex-safety switches for three-phase drives 80 A



3-pole, 80 A

Technical data

5

Ex-safety switches 80 A for controlled three-phase drives

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	
IECEx Certificate of Conformity	BKI 07.0010	
Marking accd. to IECEx	Ex ed ia II T6 Ex tD A21 IP66 T53 °C	
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: 160 A gG up to 500 V AC: 160 A gG up to 690 V AC: 160 A gG	
Connecting terminals	main contact	2 x 25 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 M40 cable gland see ordering details M50 cable gland see ordering details Option: metal flange with 2 x thread	
Weight	approx. 7.25 kg	
Enclosure material	glass-fibre reinforced polyester	
Enclosure colour	black	
Aux. contact	1 x NO making - lagging; breaking - leading 1 x NC making - leading; breaking - lagging	
Safety interlock for electronics	1 x NO making - lagging; breaking - leading	
Padlocking facility	can be locked in OFF position with 3 commercially available padlocks (Ø max. 6 mm)	

¹⁾ Other ambient temperatures on request



3-pole, 80 A

Ordering details

Content	Cable gland	Order No.
Safety switch 80 A 3-pole		
Version with 2 auxiliary contacts (1 NO; 1 x NC), 1 x Safety interlock for electronics (1 x NO)		
3-pole	2 x M50 / 2 x M25	GHG 264 0024 R0001

Customized version on request, auxiliary contacts in Ex ia available

Accessories

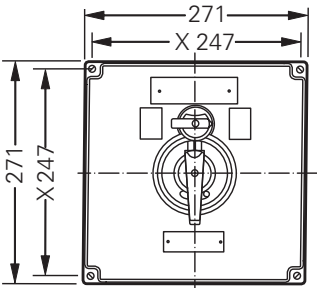
Type	Application	Fixing method	Order No.
Mounting plate for Ex-safety switches 80 A controlled three-phase drives			
Size 3	2 x pipe clamp	screw-on ¹⁾	GHG 610 1953 R0110

¹⁾ observe mounting distance

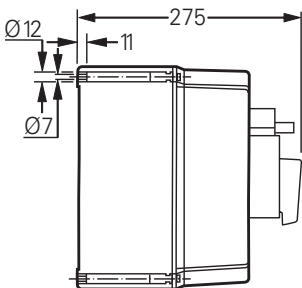
Type	OU	Order No.
Accessories for mounting plates		
Label holder with label (unlabelled) for mounting plate size 1, 2, 2A and 3	10	GHG 610 1953 R0057
Mounting set for pipes 1" (of 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Dimension drawing



Ex-safety switches 80 A



X = fixing dimensions

GHG26 disconnect switches

For harsh & hazardous areas

Features:

- Explosion protected factory sealed motor circuit switches
- Innovative break-line in cover allows full wiring access, making installation quick and easy
- High impact enclosure is designed for excellent corrosion resistance and will not warp from hot or cold water
- Tongue-in-groove seal guarantees IP66 rating and eliminates possibility of accidental opening or leakage
- Lockable handle meets OSHA lockout/tagout requirements
- Molded-in-place mounting feet provide a water channel between wall and enclosure
- Large rotary handle provides easy gripping with gloved hands
- Captive cover screws prevent water exposure and possible corrosion



Materials:

- Enclosure - 10A: Impact-resistance thermoplastic; 20A – 180A: fiberglass-reinforced polyester
- Enclosure gasket – silicone
- Handle – impact-resistant thermoplastic
- Cover screws – stainless steel
- Conduit entries: zinc Myers hubs

Certifications & compliances:

- cCSAus Certified
- Class I, Division 2, Groups A, B, C, D
- Class I, Zones 1 and 2, AEx de IIC, T6
- Class II, Division 1, Groups E, F, G (CSA)
- Class II, Division 2, Groups F, G
- ATEX Approved - PTB
- Ex de IIC, T6, Zones 1 and 2A, IP66
- GOST-R and GOST-K
- CSA Standard: C22.2 No.14
- NEMA 4X
- IP66

	10 Amp	20 Amp		40 Amp	
Pole	3 Pole	3 Pole	6 Pole	3 Pole	6 Pole
Rated Voltage	500 V	690 V	690 V	690 V	690 V
Auxiliary Contact	1 NO, making – lagging breaking – leading	1 NO, making – lagging breaking – leading	1 NC	1 NO, making – lagging breaking – leading	1 NC
Auxiliary Connection	14 AWG 2 x 2.5 mm ²	12 AWG 2 x 4 mm ²	12 AWG 2 x 4 mm ²	12 AWG 2 x 16 mm ²	12 AWG 2 x 16 mm ²
Connection Terminals	14 AWG	12 AWG	12 AWG	6 AWG	6 AWG
Conduit Entries	1 x 3/4"	2 x 3/4"	2 x 3/4"	2 x 3/4"	2 x 1"
Part number	GHG 261 0005 L0002	GHG 262 2301 L0003	GHG 262 2601 L0002	GHG 263 2301 L0002	GHG 263 0050 L0002
Weight	0.55 kg/1.2 lbs.	1.5 kg/3.3 lbs.	2.3 kg/5.1 lbs.	2.3 kg/5.1 lbs.	6.5 kg/14.3 lbs.
Wall Mounting Plate	GHG 610 1953 R0101	GHG 610 1953 R0104	GHG 610 1953 R0118	GHG 610 1953 R0118	not required

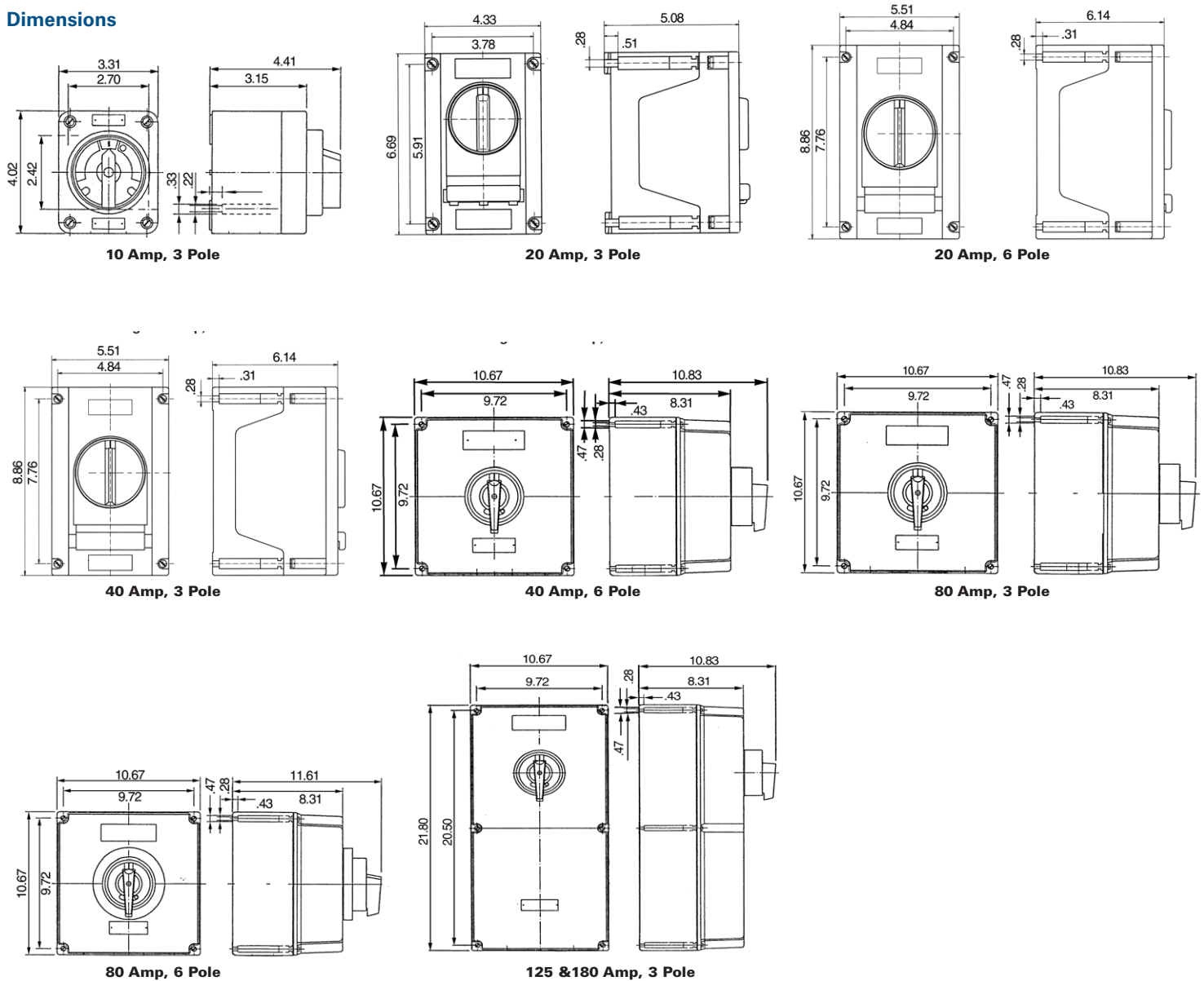
Switches can be mounted directly onto a wall. The optional wall mounting plate offers a more convenient method of mounting.



Powering Business Worldwide

	80 Amp		125 Amp	180 Amp
Pole	3 Pole	6 Pole	3 Pole	3 Pole
Rated voltage	690 V	690 V	690 V	690 V
Auxiliary contact	1 NO, making – lagging breaking – leading	1 NC	1 NO, making – lagging breaking – leading	1 NO, making – lagging breaking – leading
Auxiliary connection	12 AWG 2 x 50 mm ²	12 AWG 2 x 50 mm ²	12 AWG 1 x 70 mm ²	12 AWG 1 x 120 mm ²
Connection terminals	2 AWG	2 AWG	2/0 AWG	4/0 AWG
Conduit entries	2 x 1-1/2"	2 x 1-1/2"	2 x 1-1/2"	2 x 2"
Part number	GHG 264 0020 L0017	GHG 264 0021 L0002	GHG 265 0010 L0003	GHG 266 0006 L0002
Weight	6.5 kg/14.3 lbs.	9.0 kg/19.8 lbs.	16.0 kg/35.2 lbs.	16.5 kg/36.3 lbs.
Wall mounting plate	not required	not required	not required	not required

Dimensions



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Eaton.com

Eaton's Crouse-Hinds
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Syracuse, NY 13208
Crouse-Hinds.com

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