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 motor switching capacities and isolating properties according to EN 60947-4-1 with compulsory opening of the main current contacts and optional EMERGENCY STOP versions according to EN 60204-1 are further features offered by CEAG safety switches.

Additional lagging/leading auxiliary contacts guarantee double safety for extreme switching conditions. The safety switches feature an installation-friendly design and easily accessible connection terminals. For rough industrial environments we use the proven enclosures from the explosion-protection areas: impact-resistant, modified moulded-plastic enclosures made of glass-fibre-reinforced polyester, powder-coated steel or stainless steel 316 L. These can be optionally supplied with snap-on moulded plastic or brass flanges. Metal versions can be equipped with screw-on flanges. Up to 630 A the high degree of protection, IP66,
is guaranteed.


- Full AC-3 switching capacity
- Double safety: additional auxiliary contact
- Cost-saving installation
- Up to 40 A: snap mounting
- Up to 630 A: IP66 protection

|  |
| :--- |
| Technical data |

## | Industrial safety switch |



## Ordering details

| Content | Cable gland | Order No. |
| :--- | :--- | :--- |
| Industrial safety switch $\mathbf{1 0}$ A |  |  |
| 3-pole | $2 \times \mathrm{M} 25 / 1 \times \mathrm{M} 20$ | GHG 981 0014 R0011 |
| 3-pole EMERGENCY STOP | $2 \times \mathrm{M} 25 / 1 \times \mathrm{M} 20$ | GHG 981 0014 R0012 |

Customized version on request

## Accessories

| Mounting plate for Industrial safety switch 10 A 3-pole |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Application | Fixing method | Order No. |
| 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 |


| Accessories for mounting plates |  |  |
| :--- | :--- | :--- |
| Type | OU | Order No. |
| Label holder with label (unlabelled) for mounting plate size 1, 2, 2A and 3 | 10 | GHG 610 $\mathbf{1 9 5 3}$ R0057 |
| Mounting set for pipes $1^{\prime \prime}$ (of $27-30 \mathrm{~mm}$ ) for mounting plates with pipe fixing | 10 | GHG 610 $\mathbf{1 9 5 3}$ R0020 |
| Accessories for canopies plates | Application | OU |
| Type | Mounting plate size 1 | 1 |
| Size 1 |  | Order No. |

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

Dimension drawing


3-pole


X = fixing dimensions


## Technical data

| Industrial safety switch 25 A |  |
| :---: | :---: |
| Permissible ambient temperature | $-20^{\circ} \mathrm{C}$ up to $+40^{\circ} \mathrm{C}$ |
| Rated voltage | up to max. 690 V |
| Rated current | max. 25 A |
| Frequency | $50 / 60 \mathrm{~Hz}$ |
| Rated making/breaking capacity AC-3 accd. EN 60947-3 | $\begin{aligned} & U_{e} 230 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 20 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 400 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 20 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 500 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 16 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 690 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 10 \mathrm{~A} \end{aligned}$ |
| Back-up fuse | up to 400 V AC: 35 AgL up to 500 V AC: 35 AgL up to 690 V AC: 25 AgL |
| Connecting terminals main contact <br> auxiliary/signal contact | $\begin{aligned} & 2 \times 4 \mathrm{~mm}^{2} \\ & 2 \times 0.5-2.5 \mathrm{~mm}^{2} \end{aligned}$ |
| Protection class | 1 |
| Degree of protection accd. to EN 60529 | IP66 |
| Cable glands/enclosure drilling | M25 ( $\mathrm{d}=8-17 \mathrm{~mm}$ ) see ordering details M32 ( $d=12-21 \mathrm{~mm}$ ) see ordering details Option: metal flange with 2 x thread |
| Weight3-pole <br> 6 -pole | approx. 1.48 kg approx. 2.43 kg |
| Enclosure material | glass-fibre reinforced polyester |
| Enclosure colour | black |
| Auxiliary contact | $1 \times$ NO making - lagging; breaking - leading <br> $1 \times$ NC (only 6-pole version) making - leading; breaking - lagging |
| Padlocking facility | can be locked in OFF position with 3 commercially available padlocks ( $\varnothing$ max. 6 mm ) |

## | Industrial safety switch I



## Ordering details

| Content | Cable gland | Order No. |
| :---: | :---: | :---: |
| Industrial safety switch 2 Version with 1 aux. conta |  |  |
| 3 -pole <br> 3-pole EMERGENCY STOP | $\begin{aligned} & 2 \times \mathrm{M} 32 / 1 \times \mathrm{M} 25 \\ & 2 \times \mathrm{M} 32 / 1 \times \mathrm{M} 25 \end{aligned}$ | GHG 9810037 R0001 <br> GHG 9810037 R0002 |
| Industrial safety switch 25 A 6-pole <br> Version with 2 auxiliary contacts ( 1 NO; $1 \times \mathrm{NC}$ ) |  |  |
| 6 -pole <br> 6-pole EMERGENCY STOP | $\begin{aligned} & 4 \times \mathrm{M} 32 / 1 \times \mathrm{M} 25 \\ & 4 \times \mathrm{M} 32 / 1 \times \mathrm{M} 25 \end{aligned}$ | GHG 9810038 R0001 <br> GHG 9810038 R0002 |

Customized version on request

## Accessories

| Mounting plate for Industrial safety switch 25 A 3-pole |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Application | Fixing method | Order No. |
| 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 Industrial safety switch 25 A 6-pole |  |  |
| :---: | :---: | :---: |
| Type ${ }^{\text {application }}$ | Fixing method | Order No. |
| Size 3 Wall mounting | snap on | GHG 6101953 R0118 |
| Size 3 pipe clamp | snap on | GHG 6101953 R0110 |
| Size 3 Trellis-work mounting | snap on | GHG 6101953 R0118 |
| Accessories for mounting plates |  |  |
| Type | OU | Order No. |
| Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3 | 10 | GHG 6101953 R0057 |
| Plug-in fastener for CEAG modules with 5.5 mm and |  |  |
| 11 mm mounting feet 1 set $=4 \mathrm{pcs}$. | 10 | GHG 6101953 R0041 |
| Mounting set for pipes $1^{\prime \prime}$ (of 27-30 mm) for mounting plates with pipe fix | xing 10 | GHG 6101953 R0020 |


| Accessories for canopies plates |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Application | OU | Order No. |
| 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 |

[^0]

Dimension drawing


3-pole


6-pole


X = fixing dimensions

## | Industrial safety switch |



## Technical data

| Industrial safety switch 40 A |  |
| :---: | :---: |
| Permissible ambient temperature | $-20^{\circ} \mathrm{C}$ up to $+40^{\circ} \mathrm{C}$ |
| Rated voltage | up to max. 690 V |
| Rated current | max. 40 A |
| Frequency | $50 / 60 \mathrm{~Hz}$ |
| Rated making/breaking capacity AC-3 accd. EN 60947-3 | $\begin{aligned} & U_{e} 230 \mathrm{~V} / I_{e} 40 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 400 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 40 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 500 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 40 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 690 \mathrm{~V} / I_{e} 32 \mathrm{~A} \end{aligned}$ |
| Back-up fuse | up to 400 V AC: 80 A gL up to 500 V AC: 80 A gL up to 690 V AC: 63 A gL |
| Connecting terminals main contact <br> auxiliary/signal contact  | $\begin{aligned} & 2 \times 16 \mathrm{~mm}^{2} \\ & 2 \times 4 \mathrm{~mm}^{2} \end{aligned}$ |
| Protection class | 1 |
| Degree of protection accd. to EN 60529 | IP66 |
| Cable glands/enclosure drilling | M25 ( $\mathrm{d}=8-17 \mathrm{~mm}$ ) see ordering details M40 ( $\mathrm{d}=16-28 \mathrm{~mm}$ ) see ordering details <br> Option: metal flange on request |
| Weight3 -pole <br> 6 -pole | approx. 2.30 kg approx. 6.50 kg |
| Enclosure material | glass-fibre reinforced polyester |
| Enclosure colour | black |
| Auxiliary contact | $1 \times$ NO making - lagging; breaking - leading <br> $1 \times$ NC making - leading; breaking - lagging |
| Padlocking facility | can be locked in OFF position with 3 commercially available padlocks (0 max. 6 mm ) |




[^1]

Dimension drawing




## Ordering details

| Content | Cable gland | Order No. |
| :---: | :---: | :---: |
| Industrial safety switch 80 Version with 2 auxiliary | ole $\text { s (1 NO; } 1 \times \mathrm{NC})$ |  |
| 3 -pole <br> 3-pole EMERGENCY STOP | $\begin{aligned} & 2 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25 \\ & 2 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25 \end{aligned}$ | GHG 9810025 R0001 <br> GHG 9810025 R0002 |
| Industrial safety switch 80 A 6-pole <br> Version with 2 auxiliary contacts (1 NO; $1 \times \mathrm{NC}$ ) |  |  |
| 6-pole <br> 6-pole EMERGENCY STOP | $\begin{aligned} & 4 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25 \\ & 4 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25 \end{aligned}$ | GHG 9810026 R0001 <br> GHG 9810026 R0002 |

Customized version on request

## Accessories

| Mounting plate for Industrial safety switch |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Application | Fixin |  | Order No. |
| Size 3 | $2 \times$ pipe clamp | screw |  | GHG 6101953 R0110 |
| ${ }^{1)}$ ) observe mounting distance |  |  |  |  |
| Accessories for mounting plates |  |  |  |  |
| Type |  |  | OU | Order No. |
| Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3 |  |  | 10 | GHG 6101953 R0057 |
| Mounting set for pipes 1" (of 27-30 mm) for mounting plates with pipe fixing |  |  | 10 | GHG 6101953 R0020 |

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


6-pole

$\mathrm{X}=$ fixing dimensions


## | Industrial safety switch |



## Ordering details

| Content | Cable gland | Order No. |
| :---: | :---: | :---: |
| Industrial safety switch 100 A 3-pole <br> Version with 4 auxiliary contacts ( $\mathbf{2} \mathbf{x}$ NO; $\mathbf{2} \mathbf{x}$ NC) |  |  |
|  |  |  |
| 3 -pole | $2 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25$ | GHG 9810029 R0004 |
| 3-pole EMERGENCY STOP | $2 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25$ | GHG 9810029 R0005 |
| Industrial safety switch 100 A 6-pole <br> Version with 4 auxiliary contacts ( $\mathbf{2}$ x NO; $2 \mathbf{x}$ NC) |  |  |
|  |  |  |
| 6 -pole | $4 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25$ | GHG 9810030 R0001 |
| 6-pole EMERGENCY STOP | $4 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25$ | GHG 9810030 R0002 |

Customized version on request

## Accessories

| Mounting plate for Industrial safety switch |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Application | Fixing method | Order No. |
| Size 3 | $2 \times$ pipe clamp | screw-on ${ }^{11}$ | GHG 610 1953 R0110 |

1) observe mounting distance

| Accessories for mounting plates |  |  |
| :--- | :--- | :--- |
| Type | OU | Order No. |
| Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3 | 10 | GHG 610 1953 R0057 |
| Mounting set for pipes $1^{\prime \prime}$ (of $27-30 \mathrm{~mm}$ ) 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


3-pole


6-pole


## | Industrial safety switch |



## Technical data

| Industrial safety switch 160 A |  |
| :---: | :---: |
| Permissible ambient temperature | $-20^{\circ} \mathrm{C}$ up to $+40^{\circ} \mathrm{C}$ |
| Rated voltage | up to max. 690 V |
| Rated current | max. 160 A |
| Frequency | $50 / 60 \mathrm{~Hz}$ |
| Rated making/breaking capacity AC-3 accd. EN 60947-3 | $\begin{aligned} & U_{e} 230 \mathrm{~V} / I_{\mathrm{e}} 160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 400 \mathrm{~V} / I_{\mathrm{e}} 160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 500 \mathrm{~V} / I_{\mathrm{e}} 160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}} 690 \mathrm{~V} / \mathrm{I}_{\mathrm{e}} 160 \mathrm{~A} \end{aligned}$ |
| Back-up fuse | up to 400 V AC: 250 A gL up to 500 V AC: 250 A gL up to 690 V AC: 200 A gL |
| Connecting terminals main contact <br> auxiliary/signal contact | $\begin{aligned} & 1 \times 95 \mathrm{~mm}^{2} \\ & 2 \times 4 \mathrm{~mm}^{2} \end{aligned}$ |
| Protection class | 1 |
| Degree of protection accd. to EN 60529 | IP66 |
| Cable glands/enclosure drilling | M25 ( $\mathrm{d}=8-17 \mathrm{~mm}$ ) see ordering details M63 ( $\mathrm{d}=27-48 \mathrm{~mm}$ ) see ordering details Double cable pothead ( $d=46-72 \mathrm{~mm}$ ) Option: metal flange with $2 \times$ thread |
| Weight3 -pole <br> 6 -pole | approx. 9.00 kg approx. 16.50 kg |
| Enclosure material | glass-fibre reinforced polyester |
| Enclosure colour | black |
| Aux. contact | $1 \times$ NO making - lagging; breaking - leading <br> $1 \times$ NC making - leading; breaking - lagging |
| Padlocking facility | can be locked in OFF position with 3 commercially available padlocks ( $\varnothing$ max. 6 mm ) |



## Ordering details

| Content | Cable gland | Order No. |
| :---: | :---: | :---: |
| Industrial safety switch 160 A 3-pole <br> Version with 4 auxiliary contacts ( $\mathbf{2}$ x NO; $\mathbf{2} \mathbf{x}$ NC) |  |  |
| 3-pole <br> 3-pole EMERGENCY STOP | $\begin{aligned} & 2 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25 \\ & 2 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25 \end{aligned}$ | GHG 9810031 R0003 GHG 9810031 R0004 |
| Industrial safety switch 160 A 6-pole <br> Version with 4 auxiliary contacts ( $\mathbf{2} \mathbf{x}$ NO; $\mathbf{2} \mathbf{x}$ NC) |  |  |
| 6 -pole <br> 6-pole EMERGENCY STOP | $\begin{aligned} & 4 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25 \\ & 4 \times \mathrm{M} 50 / 1 \times \mathrm{M} 25 \end{aligned}$ | GHG 9810032 R0003 <br> GHG 9810032 R0004 |

Customized version on request

## Accessories

| Mounting plate for Industrial safety switch |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Application | Fixing method | Order No. |
| Size 3 | $2 \times$ pipe clamp | screw-on" | GHG $\mathbf{6 1 0} 1953$ R0110 |

${ }^{1)}$ observe mounting distance

| Accessories for mounting plates |  |  |
| :--- | :--- | :--- |
| Type | OU | Order No. |
| Label holder with type label (blank) for mounting plate size 1, 2, 2A and 3 | 10 | GHG 610 1953 R0057 |
| Mounting set for pipes $1^{\prime \prime}$ (of $27-30 \mathrm{~mm}$ ) 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



|  |
| :--- |

## I Industrial safety switch |



## Ordering details

| Content | Cable gland | Order No. |
| :---: | :---: | :---: |
| Industrial safety switch 250 A 3-pole <br> Version with 2 auxiliary contacts (1 NO; $1 \times \mathrm{NC}$ ) |  |  |
| $\begin{aligned} & \text { 3-pole } \\ & \text { 3-pole EMERGENCY STOP } \end{aligned}$ | $\begin{aligned} & 2 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25 \\ & 2 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25 \end{aligned}$ | KO 731713 W0001 KO 731723 W0001 |
| Industrial safety switch 250 A 6-pole <br> Version with 2 auxiliary contacts ( 1 NO; $1 \times \mathrm{NC}$ ) |  |  |
| 6 -pole <br> 6-pole EMERGENCY STOP | $\begin{aligned} & 4 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25 \\ & 4 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25 \end{aligned}$ | KO 731716 W0001 KO 731726 W0001 |

Customized version on request
Dimension drawing


|  |
| :--- |

## I Industrial safety switch I



## Ordering details

| Content | Cable gland | Order No. |
| :--- | :--- | :--- |
| Industrial safety switch 400 A 3-pole |  |  |
| Version with 2 auxiliary contacts (1 NO; $\mathbf{1 \times N C}$ N |  |  |
| 3-pole | $4 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25$ | KO 731713 X0001 |
| 3-pole EMERGENCY STOP | $4 \times \mathrm{M} 63 / 1 \times \mathrm{M} 25$ | KO 731723 X0001 |

Customized version on request
Dimension drawing


|  |
| :--- | :--- |
|  |

## I Industrial safety switch I



## Ordering details

| Content | Cable gland | Order No. |
| :--- | :--- | :--- |
| Industrial safety switch 630 A 3-pole |  |  |
| Version with 2 auxiliary contacts (1 NO; $\mathbf{1 \times N C}$ N |  |  |
| 3-pole | $4 \times \mathrm{M} 80 / 1 \times \mathrm{M} 25$ | KO 731713 Y0001 |
| 3-pole EMERGENCY STOP | $4 \times \mathrm{M} 80 / 1 \times \mathrm{M} 25$ | KO 731723 Y0001 |

Customized version on request
Dimension drawing



[^0]:    Please pay attention that only order units (OU) according to the ordering details can be delivered.

[^1]:    Please pay attention that only order units (OU) according to the ordering details can be delivered.

