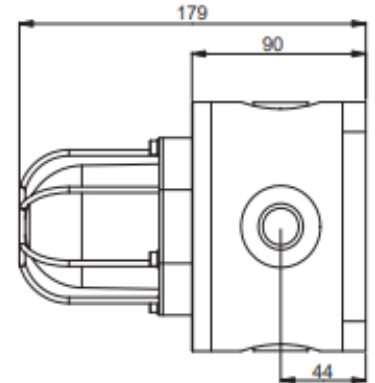
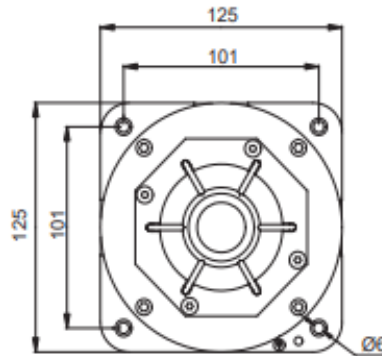


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Beacons

BC 125 Ex Beacon/ Light



- Zone 1 & 2
- Zone 21 & 22

This beacon is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area. The BC125 can also be used as status light.

This beacon can be delivered with two different light sources;
LED with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon via a telephone line.

Housing is made of stainless steel 316L covered with UV resistant paint, the lens is made of borosilicate glass.


A complete range of accessories is available to customize a products

| PRODUCT CODE CONFIGURATOR | | | | | | | | | |
|---------------------------|-----------------|------------------------------|-----------------------|------------|-----------|------------|--------------------|-------------------------|---------------------|
| LENS COLOR | TYPE | POWER | VOLTAGE | DUTY LABEL | TAG LABEL | LENS GUARD | CABLE ENTRY | FINISH COLOR | TELEPHONE INITIATED |
| ■ R = RED | X = Xenon | 05 LED: 5W Xenon: 5J | DC 12 .. 48V DC | Y = | Y = | Y = | A = M20 | ■ RD = RED | Y = Yes |
| ■ A = AMBER | | 10 LED: 10W Xenon: 10J | AC1 12..48V AC | Yes | Yes | Yes | B = M25 | ■ YW = YELLOW | |
| ■ B = BLUE | | 15 Xenon: 15J | AC 100 .. 240V AC | N = | N = | N = | C = 1/2" NPT | ■ BU = BLUE | |
| ■ G = GREEN | L = LED | 21 Xenon: 21J | OR (Other Request) | N = | N = | N = | D = 3/4" NPT | ■ BL = BLACK | N = No |
| ■ C = CLEAR | | | | | | | | □ OR = OTHER ON REQUEST | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO BC125:

| | | | | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

Technical Data

| | | | | | | |
|--|--|---------|--|--|--------------------------------|---------|
| Material | Enclosure: Stainless steel 316L; Lens: Tempered borosilicate glass 3.3 | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1561X, IECEX NEM 13.0030X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | | 10 joules = 293 Cd 21 joules = 424 Cd | | 5 W = 128 Cd 10W = 312 Cd | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | | 10 Joules = 15W 21 Joules = 25W | | 5W 10W | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Cables Entry | 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | 4,5 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

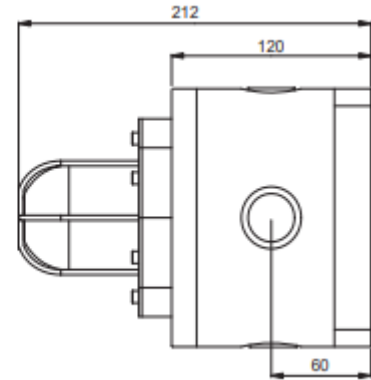
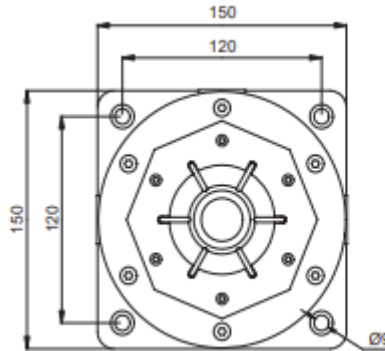
* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | • Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | • Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | • Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | • Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | • General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|-------------|------------|-----------|-------|------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8066167 | BC125AX10ACNNNARDN | EX SS316 | Amber | Xenon | 10 Joule | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009849 | BC125AX10DCNNNARDN | EX SS316 | Amber | Xenon | 10 Joule | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066169 | BC125AX20ACNNNARDN | EX SS316 | Amber | Xenon | 20 Joule | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009851 | BC125AX20DCNNNARDN | EX SS316 | Amber | Xenon | 20 Joule | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066164 | BC125RX10ACNNNARDN | EX SS316 | Red | Xenon | 10 Joule | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009848 | BC125RX10DCNNNARDN | EX SS316 | Red | Xenon | 10 Joule | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066168 | BC125RX20ACNNNARDN | EX SS316 | Red | Xenon | 20 Joule | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009850 | BC125RX20DCNNNARDN | EX SS316 | Red | Xenon | 20 Joule | 12-48V DC | No | No | No | 4 x M20 | Red |

BC 150 Ex Beacon/ Light



- Zone 1 & 2
- Zone 21 & 22

This beacon is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area. The BC150 can also be used as status light.

This beacon can be delivered with two different light sources;

Led with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon via a telephone line.

Housing is moulded Glass-Reinforced Polyester (GRP), dyed in the mass and protected by an UV resistant paint, the lens is made of borosilicate glass.


A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | | | | | |
|---------------------------|--------------|------------------------------|-----------------------|------------|------------|------------|-----------------|-------------------------|---------------------|
| LENS COLOR | TYPE | POWER | VOLTAGE | DUTY LABEL | TAG LABEL | LENS GUARD | CABLE ENTRY | FINISH COLOR | TELEPHONE INITIATED |
| ■ R = RED | X = Xenon | 05 LED: 5W Xenon: 5J | DC 12 .. 48V DC | Y = Yes | Y = Yes | Y = Yes | A = M20 | ■ RD = RED | Y = Yes |
| ■ A = AMBER | | 10 LED: 10W Xenon: 10J | AC1 12..48V AC | | | | B = M25 | ■ YW = YELLOW | |
| ■ B = BLUE | | | | | | | C = 1/2" NPT | ■ BU = BLUE | |
| ■ G = GREEN | L = LED | 15 Xenon: 15J | AC 100 .. 240V AC | N = No | N = No | N = No | | ■ BL = BLACK | N = No |
| ■ C = CLEAR | | 21 Xenon: 21J | OR (Other Request) | | | | D = 3/4" NPT | □ OR = OTHER ON REQUEST | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO BC150:

| | | | | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

Technical Data

| | | | | | | |
|--|--|--|--------------|--|--------|---------|
| Material | Enclosure: Glass-Reinforced Polyester (GRP); Lens: Tempered borosilicate glass 3.3 | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1561X, IECEX NEM 13.0030X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | 10 joules = 293 Cd 21 joules = 424 Cd | 5 W = 128 Cd | 10W = 312 Cd | | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | 10 Joules = 15W 21 Joules = 25W | 5W | 10W | | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Cables Entry | 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | 3,8 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | • Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | • Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | • Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | • Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | • General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|-------------|------------|-----------|-------|--------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8066630 | BC150AL05ACNNNARDN | EX GRP | Amber | LED | 5 W | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8058995 | BC150AL05ACNNNAY | EX GRP | Amber | LED | 5 W | 100-240V AC | No | No | No | 4 x M20 | Yellow |
| 8010968 | BC150AL05DCNAO | EX GRP | Amber | LED | 5 W | 12-48V DC | No | No | No | 4 x M20 | Black |
| 8007017 | BC150AL05DCNNNABLN | EX GRP | Amber | LED | 5 W | 12-48V DC | No | No | No | 4 x M20 | Black |
| 8019796 | BC150AL05DCNNNARDN | EX GRP | Amber | LED | 5 W | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066629 | BC150AL10ACNNNARDN | EX GRP | Amber | LED | 10 W | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8058996 | BC150AL10ACNNNAY | EX GRP | Amber | LED | 10 W | 100-240V AC | No | No | No | 4 x M20 | Yellow |
| 8085425 | BC150AL10DCNNNARDN | EX GRP | Amber | LED | 10 W | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066627 | BC150AX05ACNNNARDN | EX GRP | Amber | Xenon | 5 J | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009974 | BC150AX05ACNNYARDN | EX GRP | Amber | Xenon | 5 J | 100-240V AC | No | No | Yes | 4 x M20 | Red |
| 8009855 | BC150AX05DCNNNAR | EX GRP | Amber | Xenon | 5 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8019904 | BC150AX05DCNNNARDN | EX GRP | Amber | Xenon | 5 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8010006 | BC150AX05DCNNYARDN | EX GRP | Amber | Xenon | 5 J | 12-48V DC | No | No | Yes | 4 x M20 | Red |
| 8007023 | BC150AX10ACNNNABLN | EX GRP | Amber | Xenon | 10 J | 100-240V AC | No | No | No | 4 x M20 | Black |
| 8007021 | BC150AX10DCNNNABLN | EX GRP | Amber | Xenon | 10 J | 12-48V DC | No | No | No | 4 x M20 | Black |
| 8009856 | BC150AX10DCNNNAR | EX GRP | Amber | Xenon | 10 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8062722 | BC150AX10DCNNYBR | EX GRP | Amber | Xenon | 10 J | 12-48V DC | No | No | Yes | 4 x M25 | Red |
| 8066648 | BC150AX20ACNNYARDN | EX GRP | Amber | Xenon | 20 J | 100-240V AC | No | No | Yes | 4 x M20 | Red |
| 8009857 | BC150AX20DCNNNARDN | EX GRP | Amber | Xenon | 20 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066647 | BC150AX20DCNNYARDN | EX GRP | Amber | Xenon | 20 J | 12-48V DC | No | No | Yes | 4 x M20 | Red |
| 8010007 | BC150AX20DCNNYBRDN | EX GRP | Amber | Xenon | 20 J | 12-48V DC | No | No | Yes | 4 x M25 | Red |
| 8085009 | BC150BL10DCNNNARDN | EX GRP | Blue | LED | 10 W | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8066632 | BC150BX05ACNNNARDN | EX GRP | Blue | Xenon | 5 J | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8019906 | BC150BX05DCNNNARDN | EX GRP | Blue | Xenon | 5 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8070264 | BC150BX05DCNYAR | EX GRP | Blue | Xenon | 5 J | 12-48V DC | No | Yes | Yes | 4 x M20 | Red |
| 8036800 | BC150BX15DCNNNCR | EX GRP | Blue | Xenon | 15 J | 12-48V DC | No | No | No | 4 x 1/2" NPT | Red |
| 8066633 | BC150CL05ACNNNARDN | EX GRP | Clear | LED | 5 W | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8019912 | BC150CL05DCNNNARDN | EX GRP | Clear | LED | 5 W | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8009975 | BC150GX05ACNNYARDN | EX GRP | Green | Xenon | 5 J | 100-240V AC | No | No | Yes | 4 x M20 | Red |
| 8009998 | BC150GX05DCNNYARDN | EX GRP | Green | Xenon | 5 J | 12-48V DC | No | No | Yes | 4 x M20 | Red |
| 8010004 | BC150GX20ACNNYBRDN | EX GRP | Green | Xenon | 20 J | 100-240V AC | No | No | Yes | 4 x M25 | Red |

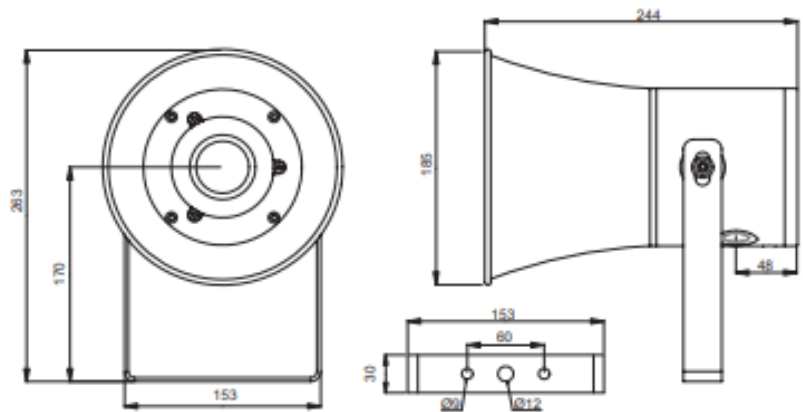
| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|-------------|------------|-----------|-------|------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8010001 | BC150GX21DCNNYBR | EX GRP | Green | Xenon | 21 J | 12-48V DC | No | No | Yes | 4 x M25 | Red |
| 8019806 | BC150RL05ACNNNARDN | EX GRP | Red | LED | 5 W | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8066650 | BC150RL05ACNNYARDN | EX GRP | Red | LED | 5 W | 100-240V AC | No | No | Yes | 4 x M20 | Red |
| 8019799 | BC150RL05DCNNNARDN | EX GRP | Red | LED | 5 W | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8065815 | BC150RL10ACNNNABLN | EX GRP | Red | LED | 10 W | 100-240V AC | No | No | No | 4 x M20 | Black |
| 8066628 | BC150RL10ACNNNARDN | EX GRP | Red | LED | 10 W | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009858 | BC150RL10DCNNNARDN | EX GRP | Red | LED | 10 W | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8009973 | BC150RX05ACNNYARDN | EX GRP | Red | Xenon | 05 J | 100-240V AC | No | No | Yes | 4 x M20 | Red |
| 8066156 | BC150RX05ACNNNARDN | EX GRP | Red | Xenon | 05 J | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8009852 | BC150RX05DCNNNARDN | EX GRP | Red | Xenon | 05 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8010005 | BC150RX05DCNNYARDN | EX GRP | Red | Xenon | 05 J | 12-48V DC | No | No | Yes | 4 x M20 | Red |
| 8070260 | BC150RX05DCNYAR | EX GRP | Red | Xenon | 05 J | 12-48V DC | No | Yes | Yes | 4 x M20 | Red |
| 8007022 | BC150RX10ACNNNABLN | EX GRP | Red | Xenon | 10 J | 100-240V AC | No | No | No | 4 x M20 | Black |
| 8063871 | BC150RX10ACNNNABUN | EX GRP | Red | Xenon | 10 J | 100-240V AC | No | No | No | 4 x M20 | Blue |
| 8066635 | BC150RX10ACNNNARDN | EX GRP | Red | Xenon | 10 J | 100-240V AC | No | No | No | 4 x M20 | Red |
| 8007020 | BC150RX10DCNABL | EX GRP | Red | Xenon | 10 J | 12-48V DC | No | No | No | 4 x M20 | Black |
| 8009853 | BC150RX10DCNNNARDN | EX GRP | Red | Xenon | 10 J | 12-48V DC | No | No | No | 4 x M20 | Red |
| 8062721 | BC150RX10DCNNYBR | EX GRP | Red | Xenon | 10 J | 12-48V DC | No | No | Yes | 4 x M25 | Red |
| 8066636 | BC150RX20ACNNYBRDN | EX GRP | Red | Xenon | 20 J | 100-240V AC | No | No | Yes | 4 x M25 | Red |
| 8009854 | BC150RX20DCNNYBRDN | EX GRP | Red | Xenon | 20 J | 12-48V DC | No | No | Yes | 4 x M25 | Red |

Sounders/Horns

SD 125 Ex Sounder/ Horn



- Zone 1 & 2
- Zone 21 & 22



This sounder is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

This sounder, according to user control system, can be set with one tone among 59 prerecorded tones.

Optional it is possible to control the sounder via a telephone line.

Housing is made of stainless steel 316L covered with UV resistant paint.


A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | |
|---------------------------|------------|-----------|--------------|---------------|-------------------------|
| VOLTAGE | DUTY LABEL | TAG LABEL | CABLE ENTRY | FINISH COLOUR | TELEPHONE INITIATED |
| DC 12 .. 48V DC | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| AC1 12..48V AC | | | B = M25 | ■ YW = YELLOW | |
| AC 100 .. 240V AC | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | |
| OR (OTHER REQUEST) | | | D = 3/4" NPT | ■ BL = BLACK | □ OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SD125:

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

Technical Data

| | | | |
|--|--|---------------------|-----------------------|
| Material | Enclosure & Bracket: Stainless steel 316L | | |
| Color | Red: RAL 3001; Yellow: RAL1018; Blue: RAL5005; Black: RAL9005 | | |
| Ingress Protection | IP66/67 | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | |
| Certification | Nemko 13 ATEX 1562X, IECEX NEM 13.0032X | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3 | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | |
| Ambient Humidity* | until 95%* | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | 100-240V AC (50/60hz) |
| Rated Impulse Withstand Voltage | 1 KV following IEC 61000-4-5 | | |
| Consumption Sounder | Adjustable from 5 to 25W (factory setting 20W) | | |
| Current Consumption | 0.5 to 1 A | | |
| Signaling Type | 59 tones siren. Specific customer tones can be recorded in factory | | |
| Noise Level | Until 115 dB at 1m | | |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | |
| Net Weight | 6,2 Kg | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | |

* = without runoff - ** = optional - cable gland and blind plug not provided

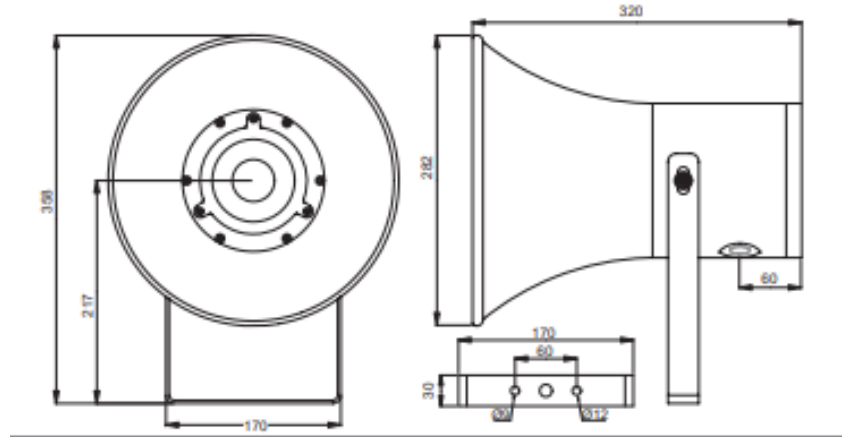
Ordering information

| Order number | EX-Tech order number | Description | | | | | |
|--------------|----------------------|-------------|----------|------------|-----------|--------------|--------------|
| | | Material | Voltage | Duty label | Tag label | Entry size | Finish color |
| 8093972 | SD125DCNNCRDN | EX SS316 | 12-48 DC | None | None | 2 x 1/2" NPT | Red |
| 8080601 | SD125DCNYARDN | EX SS316 | 12-48 DC | None | Yes | 2 x M20 | Red |
| 8065672 | SD125DCYNARDN | EX SS316 | 12-48 DC | Yes | None | 2 x M20 | Red |
| 8079759 | SD125DCYNCRDN | EX SS316 | 12-48 DC | Yes | None | 2 x 1/2" NPT | Red |
| 8020449 | SD125DCYYARDN | EX SS316 | 12-48 DC | Yes | Yes | 2 x M20 | Red |

SD 150 Ex Sounder/ Horn



- Zone 1 & 2
- Zone 21 & 22



This sounder is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

This sounder, according to user control system, can be set with one tone among 59 prerecorded tones.

Optional it is possible to control the sounder via a telephone line.

Housing is moulded in Glass-Reinforced Polyester (GRP), dyed in the mass and protected by an UV resistant paint.


A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | |
|---------------------------|--------------|-------------|-------------|---------------|-------------------------|
| VOLTAGE | DUTY LABEL | TAG LABEL | CABLE ENTRY | FINISH COLOUR | TELEPHONE INITIATED |
| DC 12 .. 48V DC | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| AC1 12..48V AC | | | B = M25 | ■ YW = YELLOW | |
| AC 100 .. 240V AC | C = 1/2" NPT | ■ BU = BLUE | | | |
| OR (OTHER REQUEST) | | N = NO | N = NO | D = 3/4" NPT | ■ BL = BLACK |
| | | | | | □ OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SD150:

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

Technical Data

| | | | |
|--|--|---------------------|-----------------------|
| Material | Enclosure: Glass-Reinforced Polyester (GRP); Bracket: Stainless steel 316L | | |
| Color | Red: RAL 3001; Yellow: RAL1018; Blue: RAL5005; Black: RAL9005 | | |
| Ingress Protection | IP66/67 | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | |
| Certification | Nemko 13 ATEX 1562X, IECEX NEM 13.0032X | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3 | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | |
| Ambient Humidity* | until 95%* | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | 100-240V AC (50/60hz) |
| Rated Impulse Withstand Voltage | 1 KV following IEC 61000-4-5 | | |
| Consumption Sounder | Adjustable from 5 to 25W (factory setting 20W) | | |
| Current Consumption | 0.5 to 1 A | | |
| Signaling Type | 59 tones siren. Specific customer tones can be recorded in factory | | |
| Noise Level | Until 115 dB at 1m | | |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | |
| Net Weight | 5,4 Kg | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | |

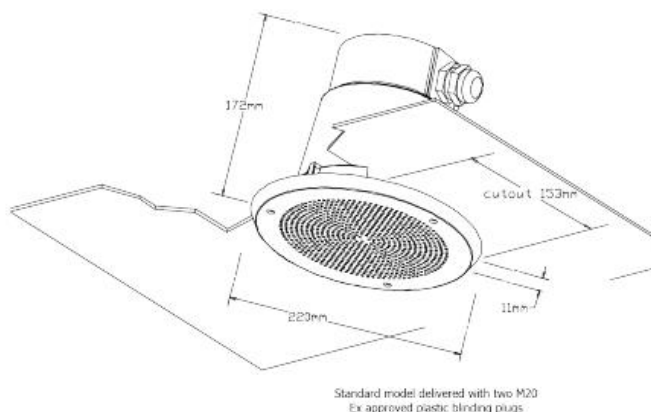
* = without runoff - ** = optional - cable gland and blind plug not provided

Ordering information

| Order number | EX-Tech order number | Description | | | | | |
|----------------|----------------------|-------------|-------------|------------|-----------|------------|--------------|
| | | Material | Voltage | Duty label | Tag label | Entry size | Finish color |
| 8081601 | SD1501DCNNAR | EX GRP | 12-48V DC | None | None | 2 x M20 | Red |
| 8070265 | SD1501DCNYAR | EX GRP | 12-48V DC | None | Yes | 2 x M20 | Red |
| 8010722 | SD150ACNNARDN | EX GRP | 100-240V AC | None | None | 2 x M20 | Red |

Loudspeakers

BA-56EExeN(T)



Circuit diagram Transformer



Low impedance



| 100V transformer Primary nominal tappings | |
|---|-------|
| 1:2 | 6 W |
| 2:3 | 3 W |
| 3:4 | 1.5 W |
| 1:3 | 1 W |
| 2:4 | 0.5 W |
| 1:4 | 0.3 W |



II 2 G

Certified by: NEMKO

Certification code: Ex de IIB+H2 T6 Gb

Number: 10ATEX1050

SPL at 1W/1m Sine wave



Specifications

| | |
|-------------------------------|----------------------------|
| Material / colour | Aluminum / RAL 9010 |
| Mounting | 3 screws |
| Termination | e-chamber, screw terminals |
| Weight w/ transformer | 3.0 |
| IP-rating | 54 |
| Max. / min. amb. temp | 50 °C / -20 °C |
| Rated / max. power | 6 W / 6 W |
| SPL 1W/1m | 88 dB |
| SPL rated power | 95 dB |
| Effective freq. range | 160 - 15000 Hz |
| Dispersion (-6dB) 1kHz / 4kHz | 120° / 55° |
| Directivity factor, Q(2kHz) | |
| Options | Impedance, colours, labels |

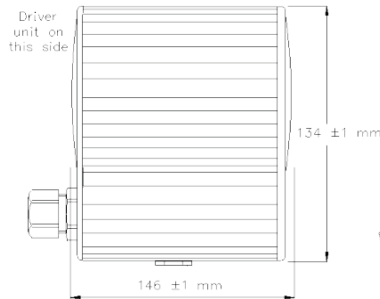
Installation, Operation and Maintenance Procedures

- Open the e-chamber by loosening the screws on the lid
- Lead cable through cable gland and connect to screw terminal according required tapping.
- If earthing, use the specially marked screws.
- Fasten lid screws with a torque of 2-3 Nm to assure the IP rating.
- Secure the loudspeaker to ceiling or wall by three screws (not enclosed).
- Mount the grill to the speaker with three screws (enclosed).
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Use only certified / specified cable glands and blanking plugs.
- Standard model delivered with two M20 Ex approved plastic blinding plugs.
- Do not open the loudspeaker when energized.
- This loudspeaker is supplied with a two years warranty against defective workmanship.

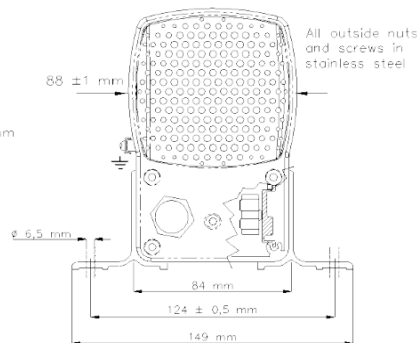
Ordering information

| Description | Ordering information |
|--------------------------------------|----------------------|
| DNH Loudspeaker BA-56 (6W) EEXEN (T) | 8003010 |

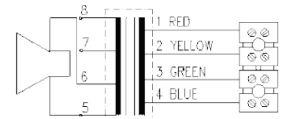
CAREEX-36(T)



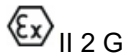
Standard model delivered with two M20 Ex approved plastic blinding plugs



Circuit diagram

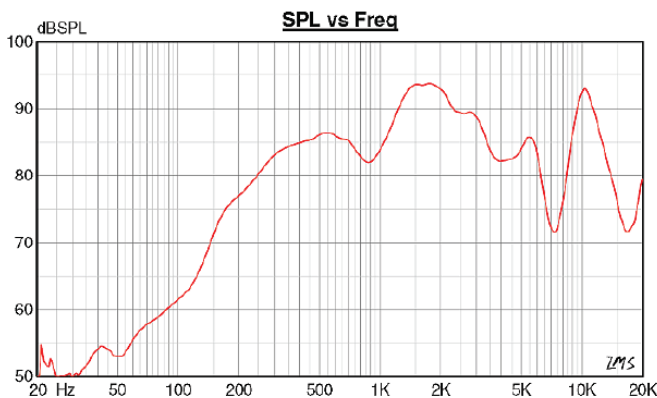


| 100V line - Primary nominal tapings | |
|-------------------------------------|-------|
| 1:2 | 6.0 W |
| 2:3 | 3.0 W |
| 3:4 | 1.5 W |
| 1:3 | 1.0 W |
| 2:4 | 0.6 W |
| 1:4 | 0.4 W |



Certified by: NEMKO / Certification code: EEx de IIB+H2 T6 Gb / Number: Nemko10ATEX1058X, IECEx NEM 11.0031X

Sound pressure levels at 1W/1m



Specifications

| | |
|-------------------------------|-----------------------------|
| Material / colour | Aluminum / anodized |
| Mounting | Foot bracket |
| Termination | e-chamber, screw terminals |
| Weight w/ transformer | 2.1 kg |
| IP-rating | 67 |
| Max. / min. amb. temp | 40°C / -20°C |
| Rated / max. power | 6 W / 6 W |
| SPL 1W/1m | 84 dB |
| SPL rated power | 91 dB |
| Effective freq. range | 180 - 15000 Hz |
| Dispersion (-6dB) 1kHz / 4kHz | 251° / 84° |
| Directivity factor, Q 1kHz | 1.4 |
| Options | Impedances, colours, labels |

Installation, Operation and Maintenance Procedures

- Fasten loudspeaker to wall or ceiling with four screws by use of the extruded aluminum brackets on each side.
- Enter the e-chamber by loosening the screws on the lid and terminate the cable in the screw terminal.
- Fasten lid screws with a torque of 2 - 2.2 Nm to assure the IP rating.
- Ex-loudspeakers must be earthed correctly using the specially marked screws.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Use only certified/specified cable glands and blinding plugs.
- Standard model delivered with two M20 Ex approved plastic blinding plugs.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a two years warranty against defective workmanship.

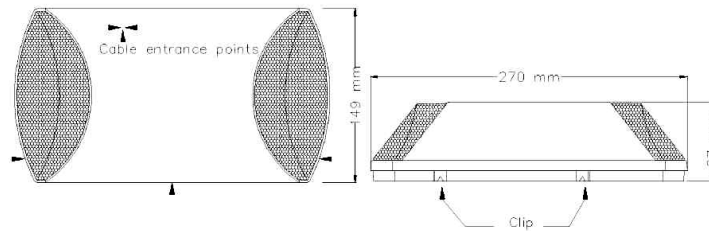
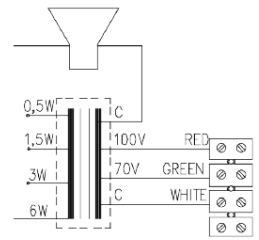
Ordering information

| Description | Ordering information |
|--------------------------------|----------------------|
| DNH Speakers CAREEX-6T 6W 100V | 8000490 |

CP-66(T)



Circuit diagram



Remove the lid by pressing the two clips on each side of the loudspeaker.

| 70/100 volt combined transformer | |
|----------------------------------|-------|
| Primary connections | |
| White:green | 70 V |
| White:red | 100 V |
| Secondary nominal tapings | |
| C:1 | 6.0 W |
| C:2 | 3.0 W |
| C:3 | 1.5 W |
| C:4 | 0.5 W |

Sound pressure levels at 1W/1m

SPL vs Freq



Specifications

| | |
|-------------------------------|---------------------------|
| Material / colour | ABS / RAL 9010 |
| Mounting | 4 screws |
| Termination | Internal screw terminals |
| Weight w/ transformer | 0.77 kg |
| IP-rating | |
| Max. / min. amb. temp | 90 °C / -20 °C |
| Rated / max. power | 6 W / 10 W |
| SPL 1W/1m | 86 dB |
| SPL rated power | 94 dB |
| Effective freq. range | 170 - 20000 Hz |
| Dispersion (-6dB) 1kHz / 4kHz | 180° / 120° |
| Directivity factor, Q(2kHz) | |
| Options | Impedance, colors, labels |

Installation, Operation and Maintenance Procedures

- To open the loudspeaker, press the two clips on each side of the loudspeaker and separate the cabinet from the chassis.
- Enter the cable through a suitable cable entrance and connect to terminal.
- Fasten the chassis to the wall or roof with 4 screws.
- Clip the cabinet on to the chassis after termination.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open the loudspeaker when energized.
- This loudspeaker is supplied with a 2 year warranty against defective workmanship

Ordering information

| Description | Ordering information |
|--------------------------|----------------------|
| DNH Speakers Type CP-66T | 8003666 |



DSP-15EExmN(T) / Group IIC

Rear view

Model: DSP-15EExmN(T)
 Max Power: 30W
 Rated Voltage: 100V
 Rated current: 0.25A
 Rated frequency: 150-2000Hz
 Protection: IP67
 Ambient temperature: -50°C to +50°C
 Hazardous area: IIC T105°C
 Nameplate: 09ATEX1322X Ser.no.: Outside enclosure
 Warning: Do not open while energized

Optional Bracket
Stainless steel

Standard Bracket
Plastic ASA

Transformer

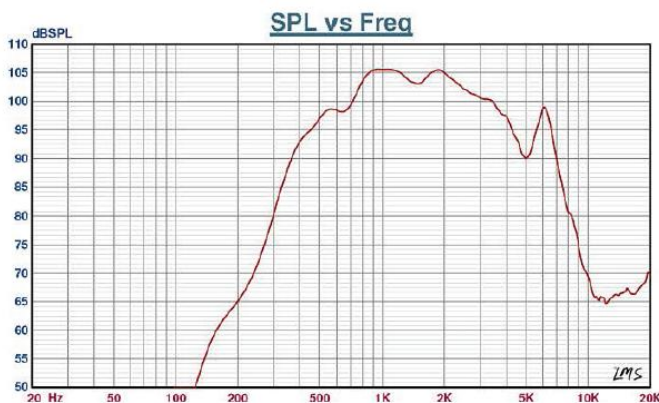
Low impedance

All outside nuts and screws in stainless steel

| Primary nominal tapings | |
|-------------------------|-------|
| 1:2 | 25 W |
| 2:3 | 15 W |
| 3:4 | 6.5 W |
| 1:3 | 5 W |
| 2:4 | 2.5 W |
| 1:4 | 1.5 W |

Standard model delivered with two M20 Ex approved plastic blinding plugs

Sound pressure levels at 1W/1m



Specifications

Material / colour
 Mounting
 Termination
 Weight w/ transformer
 IP-rating
 Max. / min. amb. temp
 Rated / max. power
 SPL 1W/1m
 SPL rated power
 Effective freq. range
 Dispersion (-6dB) 1kHz / 4kHz
 Directivity factor, Q 1kHz
 Options

IIB
 Anti-static PA / black
 Bracket
 e-chamber, push terminals
 2.2 kg
 66 / 67
 50 °C / -50 °C
 25 W / 30 W
 105 dB
 118 dB
 380 - 7000 Hz
 200° / 47°
 1.8
 Impedances, labels

IIC
 102 dB
 115 dB
 450-6000
 105° / 35°

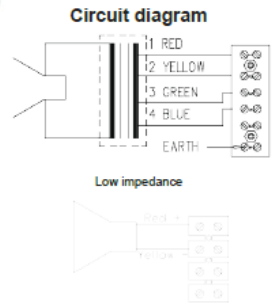
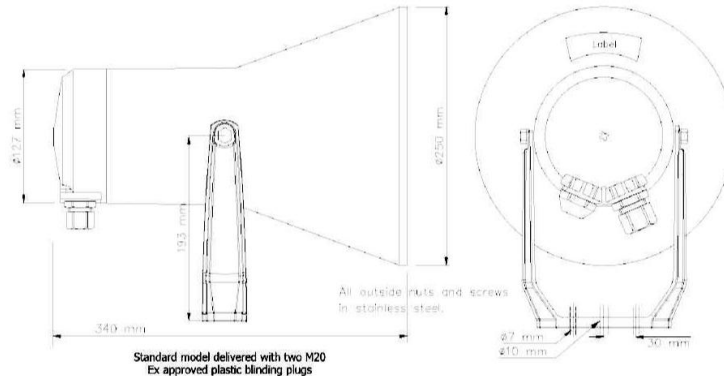
Installation, Operation and Maintenance Procedures

- Remove lid by four screws, lead cable through the cable gland and connect to terminal with required tapping.
- Screw lid back into place by four screws with a torque of 2Nm to assure the IP rating.
- To change the position of the loudspeaker, please adjust the standard U-bracket (by loosening / tightening the screws) as required.
- Use only certified/specified cable glands and blinding plugs reflecting the same IP rating and temperature range as the loudspeaker.
- Standard model delivered with two M20 Ex approved plastic blinding plugs.
- DSP-15EExmN(T) can be supplied with three different bracket systems, according to customer requirements.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a two years warranty against defective workmanship

Ordering information

| Description | Ordering information |
|---|----------------------|
| DNH EEX-Loudspeaker DSP-15EExmN(T) 15 Watt (100 Volt) IIC 100V Line IP67 SS Bracket 2x M20 Glands | 8003664 |

DSP-25EExmN(T) / Group IIB



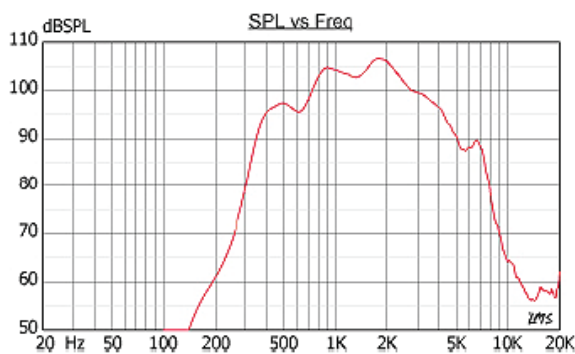
| 100V line - Primary nominal tapings | |
|-------------------------------------|--------|
| 1:2 | 25 W |
| 2:3 | 12.5 W |
| 3:4 | 6.0 W |
| 1:3 | 4 W |
| 2:4 | 2 W |
| 1:4 | 1 W |



II 2 G

Certified by: NEMKO
 Certification code: Ex d e mb IIB+H2/IIC T5 Gb
 Number: 10ATEX1053

Sound pressure levels at 1W/1m



Specifications

| | | |
|-------------------------------|-------------------------------|------------|
| Material / colour | Anti-static polyamide / black | |
| Mounting | Bracket | |
| Termination | e-chamber, screw terminals | |
| Weight w/ transformer | 4.0 kg | |
| IP-rating (e-chamber) | 66 | |
| Max. / min. amb. temp | 55 °C / -53 °C | |
| Rated / max. power | 25 W / 25 W | |
| SPL 1W/1m | 106 dB | 102 dB |
| SPL rated power | 117 dB | 113 dB |
| Effective freq. range | 370 - 7000 Hz | 400-7000 |
| Dispersion (-6dB) 1kHz / 4kHz | 98° / 29° | 100° / 30° |
| Directivity factor, Q 1kHz | 3.7 | |
| Options | Impedances, labels | |

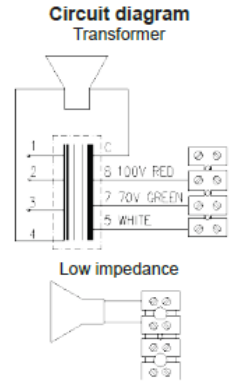
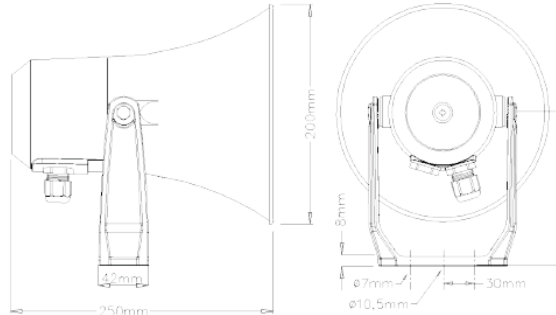
Installation, Operation and Maintenance Procedures

- Remove lid by one screw, lead cable through the cable gland and connect to terminal with required tapping.
- Screw lid back into place by one screw with a torque of 2Nm to assure the IP rating.
- Fasten bracket with one to three screws.
- To change the position of the loudspeaker, please adjust the standard U- bracket (by loosening / tightening the screws) as required.
- Use only certified/specified cable glands and blinding plugs, reflecting the same IP rating and temperature range as the loudspeaker.
- Standard model delivered with two M20 Ex approved plastic blinding plugs.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a two years warranty against defective workmanship.

Ordering information

| Description | Ordering information |
|---|----------------------|
| DNH Speakers DSP-25EEXMN(T) Nemco GODKE 106DB Group IIB | 8000491 |

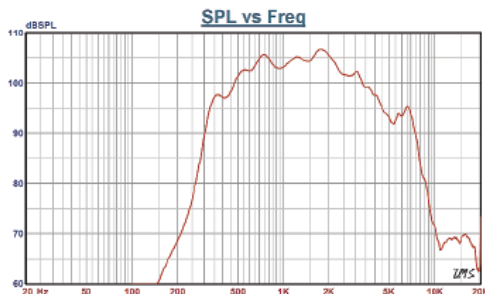
HP15(T)



| 70/100 Volt combined transformer Primary connections | |
|---|------|
| White.Green | 70V |
| White.Red | 100V |

| Secondary nominal tapings | |
|---------------------------|-------|
| C:1 | 15 W |
| C:2 | 7,5 W |
| C:3 | 4 W |
| C:4 | 2 W |

Sound pressure levels at 1W/1m P5/15T



Specifications

| | |
|-------------------------------|----------------------------|
| Material / colour | ASA / RAL 7035 |
| Mounting | Bracket |
| Termination | Screw connections |
| Weight w/ transformer | 1.4 kg |
| IP-rating | 66 / 67 |
| Max. / min. amb. temp | 90 °C / -50 °C |
| Rated / max. power | 15 W / 20 W |
| SPL 1W/1m | 108 dB |
| SPL rated power | 118 dB |
| Effective freq. range | 330 - 8000 Hz |
| Dispersion (-6dB) 1kHz / 4kHz | 130° / 35° |
| Directivity factor, Q | 8.3 |
| Options | Impedances, colors, labels |

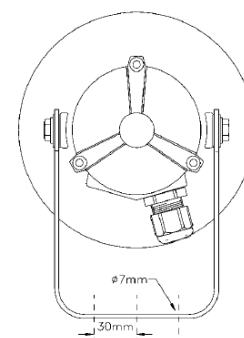
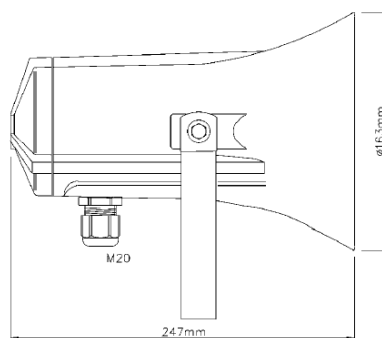
Installation, Operation and Maintenance Procedures

- Fasten loudspeaker to wall/ceiling with two screws through foot bracket.
- Remove lid by 1 screw, lead cable trough cable gland, select required tapping and connect to terminal 70V or 100V.
- Fasten lid with a torque of 1.2 - 1.5 Nm.
- To change the position of the loudspeaker, please adjust the bracket (by loosening / tightening the screws) as required.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a 2 year warranty against defective workmanship.

Ordering information

| Description | Ordering information |
|-------------------------|----------------------|
| DNH Speakers Type HP15T | 8003665 |

Metal Horn Loudspeaker H66



The DNH aluminum horn series represent an extremely robust range of heavy duty horn speakers.

These speakers are renowned for both high reliability and a superb efficiency, that makes them suitable for all industrial environments and public areas such as railway-stations, dockyards and manufacturing works.

Technical characteristics

| | |
|--------------------------|--------------|
| Model | H-66 |
| Material/Colour | Alu/RAL 7035 |
| Rated/max power, Watt | 25W/30W |
| SPL/1W/1m | 109 dB |
| Effective freq.range, Hz | 300-7000 Hz |
| Dimensions, mm | Ø217x245 |
| IP Rating | 67 |

Ordering information

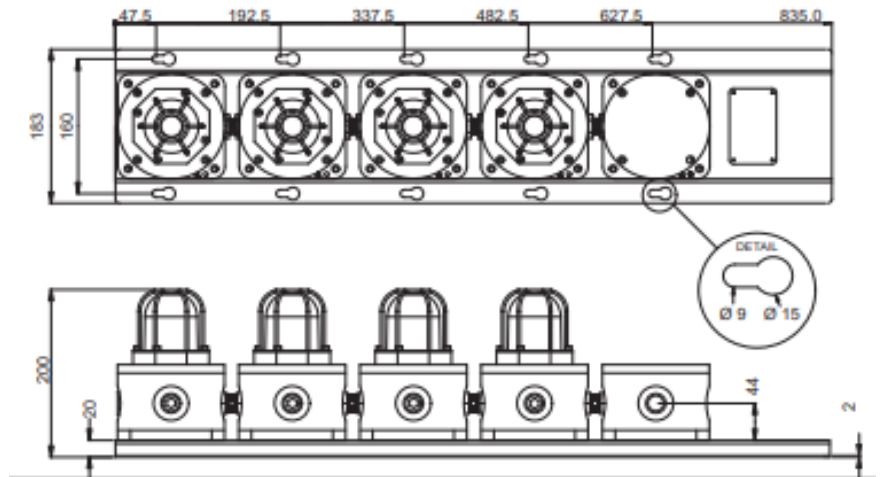
| Description | Ordering information |
|-----------------------------------|----------------------|
| DNH Loudspeaker H66 20 OHM | 8002588 |
| DNH Loudspeaker H66 8 OHM | 8001696 |
| DNH polyamid disc for speaker H66 | 8042241 |

Status Lights

SL 125 Series Combined Products



- Zone 1 & 2
- Zone 21 & 22



This combined is certified for use in Atex/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The set is provided with 5 beacons maximum.

The beacon can be delivered with two different light sources; LED with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon via a telephone line. On demand one of the beacons can be replaced by a push button or a junction box. The set is assembled on a stainless steel 316L frame.

Housing is moulded stainless steel 316L covered with resistant paint UV.

The lens is made with borosilicate glass 3.3.


A complete range of accessories is available to customize a products

PRODUCT CODE CONFIGURATOR

| COMBINATION TYPE | LENS COLOUR | TYPE | POWER | VOLTAGE | DUTY LABEL | TAG LABEL | LENS GUARD | CABLE ENTRY | FINISH COLOUR | TEL. INIT. |
|----------------------------------|-----------------|-----------------------|------------------------------|-----------------------|------------|------------|------------|-----------------|---------------|------------|
| A20 - 2 BEACONS | ■ R = RED | X = XENON | 05 LED: 5W XENON: 5J | DC 12 .. 48V DC | Y = YES | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| B30 - 3 BEACONS | | | | | | | | B = M25 | | |
| B3J - 2 BEACONS & 1 JUNCTION BOX | | | | | | | | B = M25 | | |
| B3P - 2 BEACONS & 1 PUSH BUTTON | ■ A = AMBER | L = LED | 10 LED: 10W XENON: 10J | AC1 12..48V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| C40 - 4 BEACONS | D = 3/4" NPT | | | | | | | | | |
| C4J - 3 BEACONS & 1 JUNCTION BOX | D = 3/4" NPT | | | | | | | | | |
| C4P - 3 BEACONS & 1 PUSH BUTTON | ■ G = GREEN | OR (OTHER REQUEST) | 21 XENON: 21J | OR (OTHER REQUEST) | N = NO | N = NO | N = NO | D = 3/4" NPT | ■ BL = BLACK | N = NO |
| D50 - 5 BEACONS | D = 3/4" NPT | | | | | | | | | |
| D5J - 4 BEACONS & 1 JUNCTION BOX | D = 3/4" NPT | | | | | | | | | |
| D5P - 4 BEACONS & 1 PUSH BUTTON | ■ C = CLEAR | | | | | | | | | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SL 125-:

Technical Data

| | | | | | | |
|--|--|---------|--|--|--------------------------------|---------|
| Material | Enclosure & Frame: Stainless Steel 316L; Lens: Tempered borosilicate glass 3.3 | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1566X, IECEX NEM 13.0036X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | | 10 joules = 293 Cd 21 joules = 424 Cd | | 5 W = 128 Cd 10W = 312 Cd | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | | 10 Joules = 15W 21 Joules = 25W | | 5W 10W | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | SL125-A: 10.2 Kg, SL125-B: 15 Kg, SL125-C: 20 Kg, SL125-D: 24.50 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

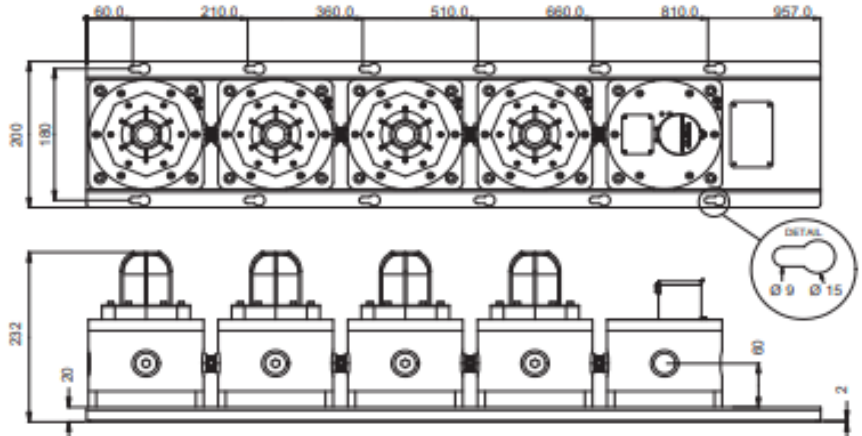
* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | • Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | • Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | • Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | • Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | • General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

SL 150 Series Combined Products



- Zone 1 & 2
- Zone 21 & 22



This combined is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The set is provided with 5 beacons maximum.

The beacon can be delivered with two different light sources;

LED with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon via a telephone line. On demand one of the beacons can be replaced by a push button or a junction box. The set is assembled on a stainless steel 316L frame.

Housing is moulded in Glass-Reinforced Polyester (GRP), dyed in the mass and protected by an UV resistant paint.

The lens is made with borosilicate glass 3.3.

A complete range of accessories is available to customize a products.


PRODUCT CODE CONFIGURATOR

| COMBINATION TYPE | LENS COLOUR | TYPE | POWER | VOLTAGE | DUTY LABEL | TAG LABEL | LENS GUARD | CABLE ENTRY | FINISH COLOUR | TEL. INIT. |
|----------------------------------|-------------|-----------|------------------------------|-----------------------|------------|-----------|------------|-----------------------|---------------|------------|
| A20 - 2 BEACONS | ■ R = RED | X = XENON | 05 LED: 5W XENON: 5J | DC 12 .. 48V DC | Y = YES | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| B30 - 3 BEACONS | | | 10 LED: 10W XENON: 10J | AC1 12..48V AC | | | | B = M25 | | |
| B3J - 2 BEACONS & 1 JUNCTION BOX | ■ A = AMBER | L = LED | 15 XENON: 15J | AC 100 .. 240V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| B3P - 2 BEACONS & 1 PUSH BUTTON | ■ B = BLUE | | 21 XENON: 21J | OR (OTHER REQUEST) | | | | D = 3/4" NPT | ■ BL = BLACK | |
| C40 - 4 BEACONS | ■ G = GREEN | L = LED | 15 XENON: 15J | AC 100 .. 240V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| C4J - 3 BEACONS & 1 JUNCTION BOX | | | ■ C = CLEAR | 21 XENON: 21J | | | | OR (OTHER REQUEST) | D = 3/4" NPT | |
| C4P - 3 BEACONS & 1 PUSH BUTTON | ■ G = GREEN | L = LED | 15 XENON: 15J | AC 100 .. 240V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| D50 - 5 BEACONS | | | ■ C = CLEAR | 21 XENON: 21J | | | | OR (OTHER REQUEST) | D = 3/4" NPT | |
| D5J - 4 BEACONS & 1 JUNCTION BOX | ■ G = GREEN | L = LED | 15 XENON: 15J | AC 100 .. 240V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| D5P - 4 BEACONS & 1 PUSH BUTTON | | | ■ C = CLEAR | 21 XENON: 21J | | | | OR (OTHER REQUEST) | D = 3/4" NPT | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SL 150:-

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|

Technical Data

| | | | | | | |
|--|--|--|--------------|--|--------|---------|
| Material | Enclosure: Glass Reinforced Polyester (GRP); Lens: Tempered borosilicate glass 3.3; Frame: Stainless Steel 316L | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1566X, IECEX NEM 13.0036X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | 10 joules = 293 Cd 21 joules = 424 Cd | 5 W = 128 Cd | 10W = 312 Cd | | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | 10 Joules = 15W 21 Joules = 25W | 5W | 10W | | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | SL150-A: 10.2 Kg, SL150-B: 15 Kg, SL150-C: 20.2 Kg, SL150-D: 23.90 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

* = without runoff - ** = optional - cable gland and blind plug not provided

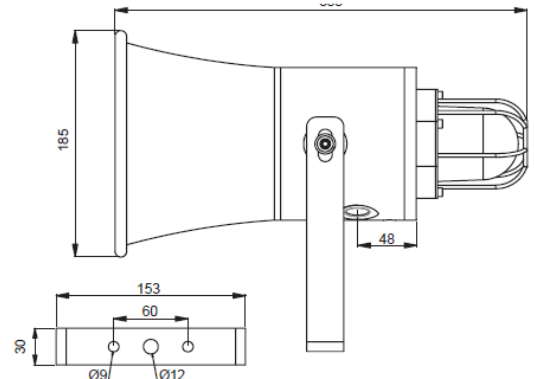
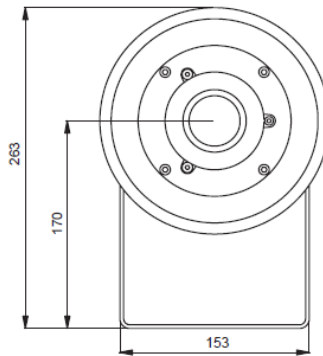
| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | • Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | • Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | • Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | • Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | • General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

Combination Units

SB 125-1 Ex Sounder/Beacon



- Zone 1 & 2
- Zone 21 & 22



This combined is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

This sounder, according to user control system, can be set with one tone among 59 prerecorded tones.

The beacon can be delivered with two different light sources;
LED with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon and the sounder or separately via a telephone line.

Housing is made of stainless steel 316L covered with UV resistant paint.


A complete range of accessories is available to customize a products

| PRODUCT CODE CONFIGURATOR | | | | | | | | | |
|------------------------------------|--------------|------------------------------|-----------------------|------------|------------|------------|-----------------|--|---------------------|
| LENS COLOUR | TYPE | POWER | VOLTAGE | DUTY LABEL | TAG LABEL | LENS GUARD | CABLE ENTRY | FINISH COLOUR | TELEPHONE INITIATED |
| <input type="checkbox"/> R = RED | X = XENON | 05 LED: 5W XENON: 5J | DC 12 .. 48V DC | Y = YES | Y = YES | Y = YES | A = M20 | <input type="checkbox"/> RD = RED | Y = YES |
| <input type="checkbox"/> A = AMBER | | 10 LED: 10W XENON: 10J | AC1 12..48V AC | | | | B = M25 | <input type="checkbox"/> YW = YELLOW | |
| <input type="checkbox"/> B = BLUE | | 15 XENON: 15J | AC 100 .. 240V AC | | | | C = 1/2" NPT | <input type="checkbox"/> BU = BLUE | |
| <input type="checkbox"/> G = GREEN | L = LED | 21 XENON: 21J | OR (OTHER REQUEST) | N = NO | N = NO | N = NO | D = 3/4" NPT | <input type="checkbox"/> BL = BLACK | N = NO |
| <input type="checkbox"/> C = CLEAR | | | | | | | | <input type="checkbox"/> OR = OTHER ON REQUEST | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SB125-1:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

Technical Data

| | | | | | | |
|--|--|----------------------|---------------------|--|-----------------------|---------|
| Material | Enclosure & Bracket: Stainless steel 316L; Lens: Tempered borosilicate glass 3.3 | | | | | |
| Color | Red: RAL 3001; Yellow: RAL1018; Blue: RAL5005; Black: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1566X, IECEX NEM 13.0036X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd | 10 joules = 293 Cd | 5 W = 128 Cd | 10W = 312 Cd | | |
| | 15 joules = 395 cd | 21 joules = 424 Cd | | | | |
| | 5 joules = 35970 Cd | 10 joules = 66804 Cd | | | | |
| Peak Light Intensity | 15 joules = 83345 Cd | 21 joules = 95824 Cd | | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W | 10 Joules = 15W | 5W | 10W | | |
| | 15 Joules = 20W | 21 Joules = 25W | | | | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Consumption Sounder | Adjustable from 5 to 25W (factory setting 20W) | | | | | |
| Current Consumption | 0.5 to 1 A | | | | | |
| Signaling Type | 59 tones siren. Specific customer tones can be recorded in factory | | | | | |
| Noise Level | Until 115 dB at 1m | | | | | |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | 8.0 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

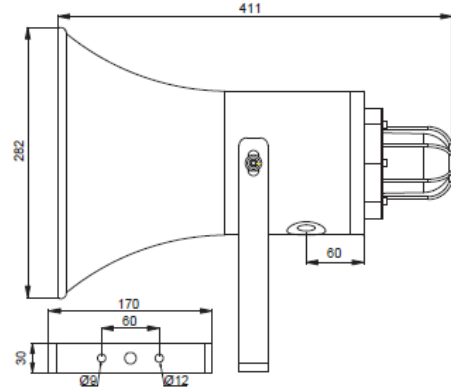
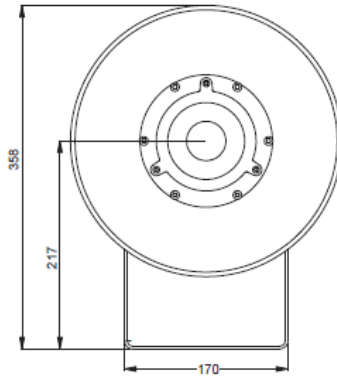
* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediate action | <ul style="list-style-type: none"> Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | <ul style="list-style-type: none"> Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | <ul style="list-style-type: none"> Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | <ul style="list-style-type: none"> Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | <ul style="list-style-type: none"> General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|----------|------------|-----------|-------|--------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8009881 | SB1251RX05DCNNDN | EX SS316 | Red | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8009882 | SB1251RX10DCNNDN | EX SS316 | Red | Xenon | 10 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8027744 | SB1251BX05DCNNDN | EX SS316 | Blue | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8095753 | SB1251RL10DCNYYCRDN | EX SS316 | Red | LED | 10 W | 12-48VDC | None | Yes | Yes | 2 x 1/2" NPT | Red |
| 8092289 | SB1251RX05DCYYYARDN | EX SS316 | Red | Xenon | 5 Joule | 12-48VDC | Yes | Yes | Yes | 2XM20 | Red |

SB 150-1 Ex Sounder/Beacon



- Zone 1 & 2
- Zone 21 & 22

This combined is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

This sounder, according to user control system, can be set with one tone among 59 prerecorded tones.

The beacon can be delivered with two different light sources;
LED with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon and the sounder or separately via a telephone line.

Housing is moulded in Glass-Reinforced Polyester (GRP), dyed in the mass and protected by an UV resistant paint.


A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | | | | | |
|---------------------------|------------------|------------------------------|-----------------------|------------|------------|------------|----------------------|-----------------|-------------------------|
| LENS COLOUR | TYPE | POWER | VOLTAGE | DUTY LABEL | TAG LABEL | LENS GUARD | CABLE ENTRY | FINISH COLOUR | TELEPHONE INITIATED |
| ■ R = RED | X = XENON | 05 LED: 5W XENON: 5J | DC 12 .. 48V DC | Y = YES | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| ■ A = AMBER | | 10 LED: 10W XENON: 10J | AC1 12..48V AC | | | | B = M25 | ■ YW = YELLOW | |
| ■ B = BLUE | | L = LED | 15 XENON: 15J | | | | AC 100 .. 240V AC | C = 1/2" NPT | |
| ■ G = GREEN | 21 XENON: 21J | | OR (OTHER REQUEST) | N = NO | N = NO | N = NO | ■ BL = BLACK | N = NO | |
| ■ C = CLEAR | | | | | | | D = 3/4" NPT | | □ OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SB150-1:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

Technical Data

| | | | | | | |
|--|--|--|--------------|--|--------|---------|
| Material | Enclosure: Glass-Reinforced Polyester (GRP); Bracket: Stainless steel 316L; Lens: Tempered borosilicate glass 3.3 | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1566X, IECEX NEM 13.0036X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | 10 joules = 293 Cd 21 joules = 424 Cd | 5 W = 128 Cd | 10W = 312 Cd | | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | 10 Joules = 15W 21 Joules = 25W | 5W | 10W | | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Consumption Sounder | Adjustable from 5 to 25W (factory setting 20W) | | | | | |
| Current Consumption | 0.5 to 1 A | | | | | |
| Signaling Type | 59 tones siren. Specific customer tones can be recorded in factory | | | | | |
| Noise Level | Until 115 dB at 1m | | | | | |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | 8.0 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | • Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | • Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | • Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | • Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | • General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

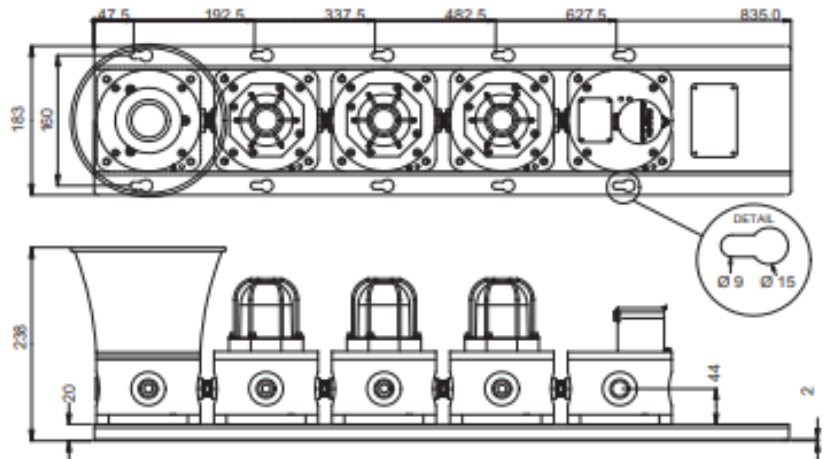
Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|-------------|------------|-----------|-------|------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8019918 | SB1501AL05DCNNNARDN | EX GRP | Amber | LED | 5 Watt | 12-48VDC | None | None | No | 2XM20 | Red |
| 8019916 | SB1501AX05DCNNNARDB | EX GRP | Amber | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8009866 | SB1501AX05DCNNNARDN | EX GRP | Amber | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8009868 | SB1501AX10DCNNNARDN | EX GRP | Amber | Xenon | 10 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8080806 | SB1501BX05DCNNNABUN | EX GRP | Blue | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Blue |
| 8009927 | SB1501BX05DCNNNARDN | EX GRP | Blue | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8066817 | SB1501RL05ACNNNARDN | EX GRP | Red | LED | 5 Watt | 100-240V AC | None | None | No | 2XM20 | Red |
| 8019917 | SB1501RL05DCNNNARDN | EX GRP | Red | LED | 5Watt | 12-48VDC | None | None | No | 2xM20 | Red |
| 8049044 | SB1501RL10ACNNNAR | EX GRP | Red | LED | 10 Watt | 100-240V AC | None | None | No | 2XM20 | Red |
| 8062100 | SB1501RL10ACNNYAR | EX GRP | Red | LED | 10 Watt | 100-240V AC | None | None | Yes | 2XM20 | Red |
| 8025437 | SB1501RX05ACNNNAR | EX GRP | Red | Xenon | 5 Joule | 100-240V AC | None | None | No | 2XM20 | Red |
| 8009865 | SB1501RX05DCNNNARDN | EX GRP | Red | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8065539 | SB1501RX10ACNNNAR | EX GRP | Red | Xenon | 10 Joule | 100-240V AC | None | None | No | 2XM20 | Red |
| 8074913 | SB1501RX10ACYNYDRDN | EX GRP | Red | Xenon | 10 Joule | 100-240V AC | Yes | None | Yes | 2X3/4 | Red |
| 8009867 | SB1501RX10DCNNNARDN | EX GRP | Red | Xenon | 10 Joule | 12-48VDC | None | None | No | 2XM20 | Red |

SB 125 Series Combined Products



- Zone 1 & 2
- Zone 21 & 22



This combined is certified for use in Atex/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

This sounder, according to user control system, can be set with one tone among 59 prerecorded tones.

The beacon can be delivered with two different light sources; LED with steady, rotary, fixed or blinking led of different powers. Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon and the sounder or separately via a telephone line. On demand one of the beacons can be replaced by a push button or a junction box. The set is assembled on a stainless steel 316L frame.

Housing is made of stainless steel 316L covered with UV resistant paint.


A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | | | | | | |
|---|-------------|-----------|------------------------------|-----------------------|------------|-----------|---------|--------------|-------------------------|------------|
| Combination type | Lens colour | Type | Power | Voltage | Duty label | Tag label | Lens | Cable entry | Finish colour | Tel. init. |
| 2J/P - 1 SOUNDER, 1 BEACON WITH JUNCTION BOX OR PUSH BUTTON | ■ R = RED | X = XENON | 05 LED: 5W XENON: 5J | DC 12 .. 48V DC | Y = YES | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| | ■ A = AMBER | | 10 LED: 10W XENON: 10J | AC1 12..48V AC | | | | B = M25 | ■ YW = YELLOW | |
| 3J/P - SOUNDER, 2 BEACONS WITH JUNCTION BOX OR PUSH BUTTON | ■ B = BLUE | L = LED | 15 XENON: 15J | AC 100 .. 240V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| | ■ G = GREEN | | 21 XENON: 21J | OR (OTHER REQUEST) | | | | D = 3/4" NPT | ■ BL = BLACK | |
| O - OTHER COMBINATIONS | ■ C = CLEAR | | | | | | | | □ OR = OTHER ON REQUEST | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SB125:-

| | | | | | | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

Technical Data

| | | | | | | |
|--|--|--|--|---|--------|---------|
| Material | Enclosure & Frame: Stainless steel 316L; Lens: Tempered borosilicate glass 3.3 | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1566X, IECEX NEM 13.0036X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | 10 joules = 293 Cd 21 joules = 424 Cd | 5 W = 128 Cd | 10W = 312 Cd | | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | 10 Joules = 15W 21 Joules = 25W | 5W | 10W | | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Consumption Sounder | Adjustable from 5 to 25W (factory setting 20W) | | | | | |
| Current Consumption | 0.5 to 1 A | | | | | |
| Signaling Type | 59 tones siren. Specific customer tones can be recorded in factory | | | | | |
| Noise Level | Until 115 dB at 1m | | | | | |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | SB125-2: 11.90 Kg, SB125-3: 16.70 Kg, SB125-4: 20.00 Kg, SB125-5: 25.10 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | <ul style="list-style-type: none"> Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | <ul style="list-style-type: none"> Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | <ul style="list-style-type: none"> Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | <ul style="list-style-type: none"> Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | <ul style="list-style-type: none"> General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

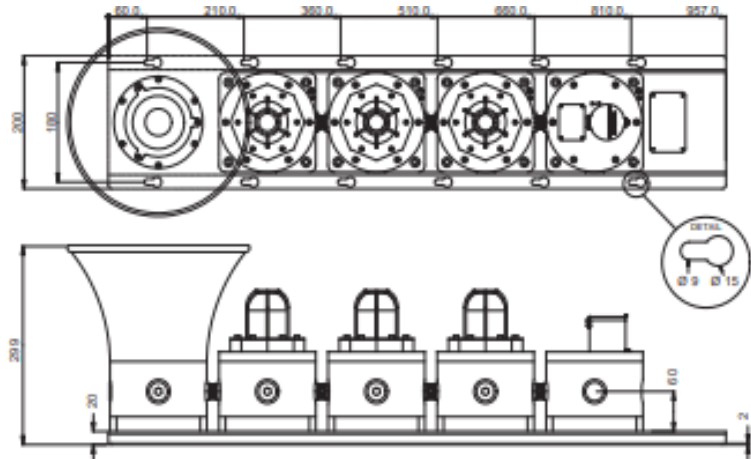
Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|-------------|------------|-----------|-------|------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8018230 | SB1252AX05ACNNCR | EX SS316 | Amber | Xenon | 5 Joule | 100-240V AC | None | None | No | 2X1/2"NPT | Red |

SB 150 Series Combined Products



- Zone 1 & 2
- Zone 21 & 22



This combined is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

This sounder, according to user control system, can be set with one tone among 59 prerecorded tones.

The beacon can be delivered with two different light sources; LED with steady, rotary, fixed or blinking led of different powers.

Flashing with XENON tube of different powers.

Four flashing frequencies are selectable.

Optional it is possible to control the beacon and the sounder or separately via a telephone line. On demand one of the beacons can be replaced by a push button or a junction box. The set is assembled on a stainless steel 316L frame.


Housing is moulded in Glass-Reinforced polyester (GRP), dyed in the mass and protected by an UV resistant paint. A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | | | | | | |
|---|-------------|-----------|------------------------------|-----------------------|------------|-----------|---------|--------------|-------------------------|------------|
| Combination type | Lens colour | Type | Power | Voltage | Duty label | Tag label | Lens | Cable entry | Finish colour | Tel. init. |
| 2 J/P - 1 SOUNDER, 1 BEACON WITH JUNCTION BOX OR PUSH BUTTON | ■ R = RED | X = XENON | 05 LED: 5W XENON: 5J | DC 12 .. 48V DC | Y = YES | Y = YES | Y = YES | A = M20 | ■ RD = RED | Y = YES |
| | ■ A = AMBER | | 10 LED: 10W XENON: 10J | AC1 12..48V AC | | | | B = M25 | ■ YW = YELLOW | |
| 3 J/P - 1 SOUNDER, 2 BEACONS WITH JUNCTION BOX OR PUSH BUTTON | ■ B = BLUE | L = LED | 15 XENON: 15J | AC 100 .. 240V AC | N = NO | N = NO | N = NO | C = 1/2" NPT | ■ BU = BLUE | N = NO |
| | ■ G = GREEN | | 21 XENON: 21J | OR [OTHER REQUEST] | | | | D = 3/4" NPT | ■ BL = BLACK | |
| ○ - OTHER COMBINATIONS | ■ C = CLEAR | | | | | | | | □ OR = OTHER ON REQUEST | |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO SB150-:

| | | | | | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

Technical Data

| | | | | | | |
|--|--|--|--------------|--|--------|---------|
| Material | Enclosure: Glass Reinforced Polyester (GRP); Lens: Tempered borosilicate glass 3.3; Frame: Stainless Steel 316L | | | | | |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 | | | | | |
| Ingress Protection | IP66/67 | | | | | |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C | | | | | |
| Certification | Nemko 13 ATEX 1566X, IECEX NEM 13.0036X | | | | | |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C | | | | | |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3 | | | | | |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 | | | | | |
| Candela Lens Color | Red: 0.15 ; Amber: 0.51; Blue: 0.12; Green: 0.49; Clear: 1 | | | | | |
| Light Type | Flash tube (XENON) | | | LED | | |
| True Light Intensity | 5 joules = 109 Cd 15 joules = 395 cd | 10 joules = 293 Cd 21 joules = 424 Cd | 5 W = 128 Cd | 10W = 312 Cd | | |
| Peak Light Intensity | 5 joules = 35970 Cd 15 joules = 83345 Cd | 10 joules = 66804 Cd 21 joules = 95824 Cd | | | | |
| Time Life | Emissions are reduced to 70% after 8 million flashes | | | >50 000 hours without luminosity decreasing | | |
| Blinking or rotary frequency (0 = steady status) | <ul style="list-style-type: none"> • 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min | | | <ul style="list-style-type: none"> • 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min | | |
| Consumption Beacon | 5 Joules = 10W 15 Joules = 20W | 10 Joules = 15W 21 Joules = 25W | 5W | 10W | | |
| Ambient Humidity* | until 95%* | | | | | |
| Power Supply | 12-48V DC | 12-48V AC (50/60hz) | | 100-240V AC (50/60hz) | | |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 | | | | | |
| Working current LED | Power | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5W | 530mA | 260 mA | 120 mA | 80 mA | 40 mA |
| | 10W | 1100 mA | 530 mA | 240 mA | 160 mA | 80 mA |
| Working current xenon | Energy | 12DC | 24Dc | 48V DC | 110AC | 220V AC |
| | 5J | 460 mA | 280 mA | 140 mA | 60 mA | 35 mA |
| | 10J | 850 mA | 490 mA | 250 mA | 100 mA | 60 mA |
| | 15J | 1200 mA | 700 mA | 360 mA | 140 mA | 80 mA |
| | 21J | NA | 960 mA | 480 mA | 180 mA | 110 mA |
| Consumption Sounder | Adjustable from 5 to 25W (factory setting 20W) | | | | | |
| Current Consumption | 0.5 to 1 A | | | | | |
| Signaling Type | 59 tones siren. Specific customer tones can be recorded in factory | | | | | |
| Noise Level | Until 115 dB at 1m | | | | | |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) | | | | | |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² | | | | | |
| Net Weight | SB125-2: 11.90 Kg, SB125-3: 16.70 Kg, SB125-4: 20.00 Kg, SB125-5: 25.10 Kg | | | | | |
| External Trigger | 25Hz <f<50Hz 40V<u<100V Z = 2k Ohms | | | | | |

* = without runoff - ** = optional - cable gland and blind plug not provided

| MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073) | | | |
|---|-------------------------|---|--|
| COLOR | MEANING | ACTION | EXAMPLE |
| ■ RED | EMERGENT | Dangerous state Take immediat action | <ul style="list-style-type: none"> • Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm |
| ■ AMBER | ABNORMAL | Abnormal state, near the critical status | <ul style="list-style-type: none"> • Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm |
| ■ GREEN | SAFE | Normal state | <ul style="list-style-type: none"> • Pressure/Temperature in normal state - Automatic control system is operating normally |
| ■ BLUE | MANDATORY | Requires operator's action | <ul style="list-style-type: none"> • Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command |
| ■ CLEAR | NO SPECIAL SIGNIFICANCE | If uncertainty for other colors, clear is allowed to be used | <ul style="list-style-type: none"> • General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values |

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | | |
|--------------|----------------------|-------------|-------------|-------|-------------|----------|------------|-----------|-------|------------|--------------|
| | | Material | Lens colour | Type | Tube energy | Voltage | Duty label | Tag label | Guard | Entry size | Finish color |
| 8009869 | SB1502RX05DCNNNARDN | EX GRP | Red | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8009871 | SB1502RX10DCNNNARDN | EX GRP | Red | Xenon | 10 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8009870 | SB1502YX05DCNNNARDN | EX GRP | Yellow | Xenon | 5 Joule | 12-48VDC | None | None | No | 2XM20 | Red |
| 8009872 | SB1502YX10DCNNNARDN | EX GRP | Yellow | Xenon | 10 Joule | 12-48VDC | None | None | No | 2XM20 | Red |

NSF 100 Sounder/Beacon



The NSF100 sounder/beacon combination unit from SEMCO is one of the fire alarm markets leading conventional and addressable sounders/beacon alarms, although it finds uses in much wider applications such as security, general signalling and process alarms. The unit can be supplied in both AC and DC operating voltages. The flexible operating voltage and temperature range, and the option to choose from Thirty Two pre-selected tones make this flexible combination unit supremely adaptable in even its most basic forms. Two stage alarm and volume control is available as standard.

- SOUNDER & BEACON WITH A SINGLE INSTALLATION POINT
- HIGH INTENSITY LED BEACON UPTO 15cd
- FOUR SELECTABLE FLASH RATES
- LENS COLOURS: RED, AMBER, GREEN, BLUE, & CLEAR
- 32 TONES SELECTABLE
- TWO STAGE ALARM
- SOUND OUTPUT UPTO 114dB(A)
- AVAILABLE IN CONVENTIONAL OR ADDRESSABLE VERSIONS
- VOLUME CONTROL
- LOCKABLE BASE
- SHALLOW OR DEEP BASE VERSIONS
- IP65
- SUITABLE FOR OUTDOOR USE

| | |
|-----------------|--|
| Material | V0 rated ABS body V0 Polycarbonate lens |
| Body Colour | Red |
| Lens Colour | Translucent Red or Clear |
| Fixing Method | Body to Base - Bayonet auto connect |
| IP Rating | IP54 or IP65 |

Ordering information

| Manufacturer's Part number | | | | | | Ordering info |
|----------------------------|-------------|---------|-----------|--------------|--|----------------|
| DI-1017S | Sounder Red | 32 Tone | Deep Base | Red Strobe | | 8019915 |
| DI-1021S | Sounder Red | 32 Tone | Deep Base | White Strobe | | 8018947 |

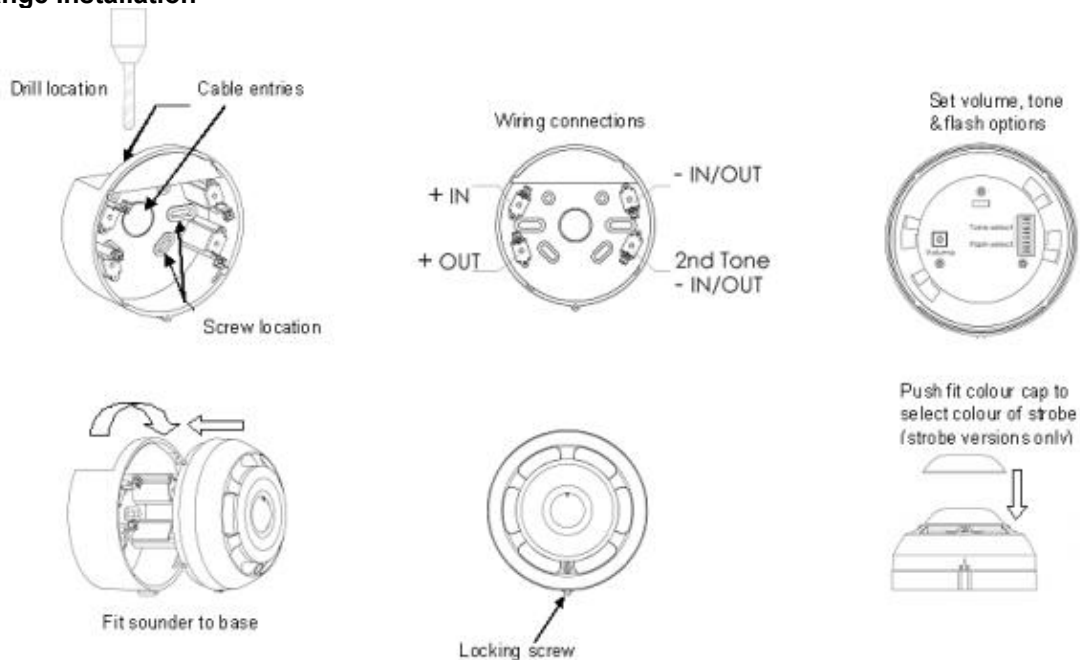
Electrical characteristics

| | Nominal | Operating Range |
|-----------------------------|--|--|
| Supply Voltage Range | 24V dc | 9-32V dc |
| Power Consumption | 270mW min to 1.1W max | 90mW min to 1.5W max power consumption |
| Current Consumption | 10mA to 45mA depending on tone and flash selection | |
| Cable Monitoring | Standard loop through wiring provides full open / short circuit monitoring | |
| Terminal Size | 0.28 to 2.5 mm ² conductor | |
| Sound Output | 70dB(A) min to 114dB(A) max tone dependant | |
| 32 Selectable Tones | Selected via DIL switch (see Functions Tabel page 4) | |
| Volume Control | Provides up to - 15dB attenuation | |
| Flash Output | 0.5Cd to 15Cd | |
| 4 Selectable Flash Settings | Selected via DIL switch | |

Addressable Version

| | Operating Range |
|--------------------------|--|
| Supply Voltage Range | Loop Voltage 17-40 Vdc |
| Power Consumption | 120mW min sounder only to 360mW sounder/strobe |
| Current Consumption | 5mA to 15mA depending on tone and flask selection |
| Cable Monitoring | Standard loop through wiring provides full open/short circuit monitoring |
| Terminal Size | 0.28 to 2.5mm ² conductor |
| Isolation | Short circuit isolators |
| Sound Output | 70dB(A) min to 100dB(A) max tone dependant |
| 8 Selectable Tones | Selected via DIL switch (see Functions Tabel page 4) |
| Volume Control | Provides up to - 15dB attenuation |
| Flash Output | 0.5Cd to 7Cd (15cd option at higher current) |
| 4 Selectable Flash Tones | Selected via DIL switch |

Range Installation



Functions

To calculate the current consumption of products that have an LED or strobe fitted, add the figure from the tones table to the figure from the flash table below.

| Flash | Sw 6&7 | LED | Strobe |
|-------------|--------|-------|--------|
| No flash | 00 | N/A | N/A |
| 1sec Lo o/p | 01 | 1.5mA | 7.5mA |
| 2sec Lo o/p | 10 | 1.5mA | 7.5mA |
| 2sec Hi o/p | 11 | 1.5mA | 7.5mA |



Nominal supply voltage range 18Vdc to 28Vdc (maximum range 9Vdc to 32Vdc) Current consumption typically 20mA @ 24Vdc depending on tone and flash options

| Tone Number | Tone description | Switches 12345 | 2nd tone | SPL dB(A) 24Vdc | Ave. mA @ 24 VDC |
|-------------|---|----------------|----------|-----------------|------------------|
| 1 | 800 & 1000Hz, Alternating (250ms - 250ms) | 00000 | 21 | 93.5 | 22 |
| 2 | 655Hz, Intermittent (1.8s ON - 1.8s OFF) | 00001 | 2 | 97.1 | 20 |
| 3 | 2400 & 2900Hz, Alternating (250ms - 250ms) | 00010 | 22 | 97.7 | 21 |
| 4 | 1000Hz Intermittent (0.5s ON, 0.5s OFF X3, 1s OFF) ISO 8201 | 00011 | 18 | 104.5 | 33 |
| 5 | 2400 - 2900Hz Sweep, (7Hz) | 00100 | 22 | 106.5 | 32 |
| 6 | 655Hz, Intermittent (0.5s ON - 0.5s OFF) | 00101 | 6 | 107.5 | 35 |
| 7 | 1000Hz Intermittent (0.25s ON, 1s OFF) | 00110 | 21 | 97.9 | 23 |
| 8 | 800 - 1000Hz, Sweep, (1Hz) | 01000 | 21 | 104.4 | 33 |
| 9 | 655Hz, Continuous | 01001 | 9 | 93.6 | 22 |
| 10 | 800 & 1000Hz, Alternating (0.5s - 0.5s) | 01010 | 21 | 93.5 | 22 |
| 11 | 1400 - 2000Hz, Sweep (10Hz) | 01011 | 11 | 104.4 | 33 |
| 12 | 500 -1200Hz, Sweep, (3.5s ON - 0.5s OFF) | 01100 | 21 | 93.5 | 20 |
| 13 | 800 - 1000Hz, Buzz (Sweep at 50Hz) | 01101 | 21 | 93.7 | 22 |
| 14 | 440Hz (100ms) and 554Hz (400ms), Alternating | 01110 | 21 | 90.5 | 13 |
| 15 | 800 - 1000Hz, Fast Sweep, (7Hz) | 10000 | 21 | 86.3 | 17 |
| 16 | 655Hz, Intermittent (6.5s ON - 13s OFF) | 10001 | 16 | 86.4 | 17 |
| 17 | 1000Hz, Intermittent (1s ON - 1s OFF) | 10010 | 21 | 86.3 | 17 |
| 18 | 2900Hz Intermittent (0.5s ON, 0.5s OFF X3, 1s OFF) ISO 8201 | 10011 | 4 | 91.6 | 15 |
| 19 | 2400 - 2900Hz, Sweep, (1Hz) | 10100 | 22 | 86.3 | 17 |

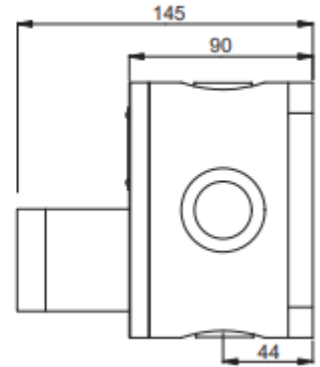
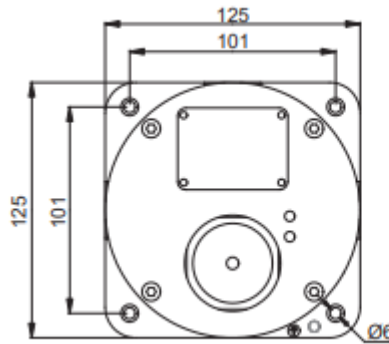
| Tone Number | Tone description | Switches 12345 | 2 nd tone | SPL dB(A) 24Vdc | Ave. mA @ 24 VDC |
|-------------|--|----------------|----------------------|-----------------|------------------|
| 20 | 2900Hz Intermittent (150ms ON, 100ms OFF) | 10101 | 21 | 104.2 | 24 |
| 21 | 1000Hz, Continuous | 10110 | 21 | 96.2 | 19 |
| 22 | 2900Hz, Continuous | 11000 | 21 | 93.6 | 22 |
| 23 | 440 & 554Hz, Alternating (1s - 1s) | 11001 | 23 | 104.4 | 33 |
| 24 | 2900Hz, Intermittent (1s ON - 1s OFF) | 11010 | 22 | 90.2 | 35 |
| 25 | 800 & 1000Hz, Alternating (0.5s - 0.5s) | 11011 | 22 | 93.5 | 21 |
| 26 | 1200 - 500Hz, Sweep, (1Hz), DIN tone | 11100 | 21 | 93.4 | 21 |
| 27 | 2400 - 2900Hz, Buzz (Sweep at 50Hz) | 11101 | 22 | 93.6 | 22 |
| 28 | 655Hz, Intermittent (150ms ON - 150ms OFF) | 11110 | 28 | 93.5 | 22 |
| 29 | 990 - 655Hz, Alternating (0.5s - 0.5s) | 00111 | 6 | 94.8 | 22 |
| 30 | 910 - 685Hz, Alternating (250ms - 250ms) | 01111 | 6 | 86.9 | 12 |
| 31 | 750 - 1000Hz, Alternating (0.5s - 0.5s) | 10111 | 17 | 106.2 | 33 |
| 32 | 925 - 628Hz, Alternating (250ms - 250ms) | 11111 | 6 | 93.5 | 21 |

Call Points and Push Buttons

CP 125 Ex Manual Call Point



- Zone 1 & 2
- Zone 21 & 22










This manual call point is certified for use in Atex/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA. The test function is built in, visualization functions, line detection, and glass protection, hammer, are optional.

Housing is made of stainless steel 316L covered with UV resistant paint.

A complete range of accessories is available to customize a products.


PRODUCT CODE CONFIGURATOR

| SWITCH | DUTY LABEL | TAG LABEL | LED INDICATOR | FEATURES | CABLE ENTRY | FINISH COLOUR |
|------------------|------------|-----------|---|-----------------|--------------|--|
| SINGLE = 1 X C/O | Y = YES | Y = YES |  L = RED & GREEN | F = LIFT FLAP | A = M20 |  RD = RED |
| | | |  R = RED | R = RESISTOR | B = M25 |  YW = YELLOW |
| DOUBLE = 2 X C/O | N = NO | N = NO |  G = GREEN | D = DIODE | C = 1/2" NPT |  BU = BLUE |
| | | | N = NO LED | N = NO FEATURES | D = 3/4" NPT |  BL = BLACK <input type="checkbox"/> OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO CP 125:

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

Technical Data

| | |
|---|--|
| Material | Enclosure: Stainless Steel 316L |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 |
| Ingress Protection | IP66/67 |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C |
| Certification | Nemko 13 ATEX 1561X, IECEX NEM 13.0030X |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 |
| Ambient Humidity* | until 95% with ice* |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 |
| Contact Type | 1x C/O or 2x C/O |
| Conventional Thermal Courant (Ith) | AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A*** |
| Minimum Voltage and Courant | DC 5V 10mA |
| Shorts Circuit Protection | 10 A gG |
| Cables Entry | 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² |
| Net Weight | 4.9 Kg |
| Line Resistor** | 470 Ohms** |
| Signalling LED | Green U= 24V DC I=10mA; Red U=24V DC I= 20mA |

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

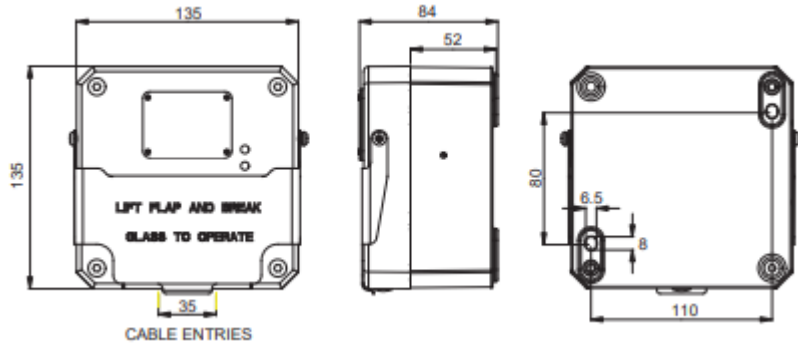
Ordering information

| Order number | EX-Tech order number | Description | | | | | | | |
|--------------|----------------------|-------------|--------|------------|-----------|---------------|----------|-------------|--------------|
| | | Material | Switch | Duty label | Tag label | LED indicator | Features | Cable entry | Finish color |
| 8009875 | CP125SNNNNARD | EX SS316 | Single | No | No | No LED | No | 4 x M20 | Red |

CP 135 Ex Manual Call Point



- Zone 1 & 2
- Zone 21 & 22



This manual call point «break glass» is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous areas.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA. The test function is built in, visualization functions, line detection, and glass protection, hammer, are optional.


Housing is moulded in Glass-Reinforced Polyester (GRP), dyed in the mass and protected by a UV resistant paint. A complete range of accessories is available to customize a product.

| PRODUCT CODE CONFIGURATOR | | | | | | | |
|---------------------------|------------|------------|---|-----------------|--------------|------------|--|
| SWITCH | DUTY LABEL | TAG LABEL | LED INDICATOR | FEATURES | CABLE ENTRY | ENTRY | FINISH COLOUR |
| SINGLE = 1 X C/O | Y = YES | Y = YES | ■ ■ L = RED & GREEN | F = LIFT FLAP | A = M20 | T = TOP | ■ RD = RED |
| | | | ■ R = RED | R = RESISTOR | B = M25 | | ■ YW = YELLOW |
| DOUBLE = 2 X C/O | N = NO | N = NO | ■ G = GREEN | D = DIODE | C = 1/2" NPT | B = BOTTOM | ■ BU = BLUE |
| | | | N = NO LED | N = NO FEATURES | D = 3/4" NPT | | ■ BL = BLACK □ OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO CP 135:

| | | | | | | | |
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Technical Data

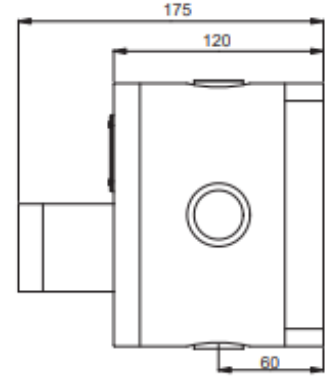
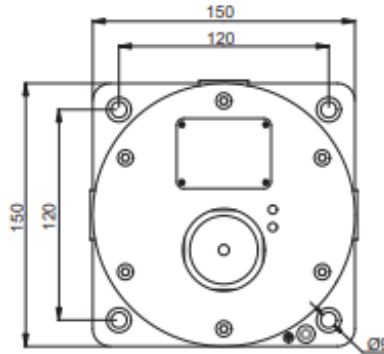
| | |
|---|--|
| Material | Enclosure: Glass-Reinforced Polyester (GRP) |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005; Black with yellow zebra: RAL9004 with RAL1018 |
| Ingress Protection | IP66/67 |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C |
| Certification | Nemko 13 ATEX 1563X, IECEX NEM 13.0030X |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31/ EN 54-11 |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 |
| Ambient Humidity* | until 95% with ice* |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 |
| Contact Type | 1x C/O or 2x C/O (1) |
| Conventional Thermal Courant (Ith) | AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A*** |
| Minimum Voltage and Courant | DC 5V 10mA |
| Shorts Circuit Protection | 10 A gG |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² |
| Net Weight | 4.9 Kg |
| Line Resistor** | 470 Ohms** |
| Signalling LED | Green U= 24V DC I=10mA; Red U=24V DC I= 20mA |

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | |
|--------------|----------------------|-------------|--------|------------|-----------|---------------|-----------|-------------|--------|--------------|
| | | Material | Switch | Duty label | Tag label | LED indicator | Features | Cable entry | Entry | Finish color |
| 8052856 | CP135DYNRFABYW | EX GRP | Double | Yes | No | Red | Lift Flap | 2 x M20 | Bottom | Yellow |
| 8063925 | CP135DYNRFABRD | EX GRP | Double | Yes | No | Red | Lift Flap | 2 x M20 | Bottom | Red |
| 8069062 | CP135DYNRFABYW | EX GRP | Double | Yes | No | Red | Lift Flap | 2 x M20 | Bottom | Yellow |
| 8009929 | CP135SNNNFABBU | EX GRP | Single | No | No | No LED | Lift Flap | 2 x M20 | Bottom | Blue |
| 8005882 | CP135SNNNFABRD | EX GRP | Single | No | No | No LED | Lift Flap | 2 x M20 | Bottom | Red |

CP 150 Ex Manual Call Point



- Zone 1 & 2
- Zone 21 & 22

This manual call point «break glass» is certified for use in Atex/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environment and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA. The test function is built in, visualization functions, line detection, glass protection and hammer are optional.

Housing is moulded in Glass-Reinforced Polyester (GRP), dyed in the mass and protected by an UV resistant paint. A complete range of accessories is available to customize a products


PRODUCT CODE CONFIGURATOR

| SWITCH | DUTY LABEL | TAG LABEL | LED INDICATOR | FEATURES | CABLE ENTRY | FINISH COLOUR |
|------------------|------------|------------|---|-----------------|-----------------|---|
| SINGLE = 1 X C/O | Y = YES | Y = YES | ■ ■ L = RED & GREEN | F = LIFT FLAP | A = M20 | ■ RD = RED |
| | | | ■ R = RED | R = RESISTOR | B = M25 | ■ YW = YELLOW |
| DOUBLE = 2 X C/O | N = NO | N = NO | ■ G = GREEN | D = DIODE | C = 1/2" NPT | ■ BU = BLUE |
| | | | N = NO LED | N = NO FEATURES | D = 3/4" NPT | ■ BL = BLACK <input type="checkbox"/> OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO CP 150:

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Technical Data

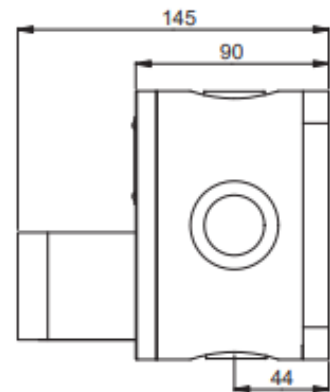
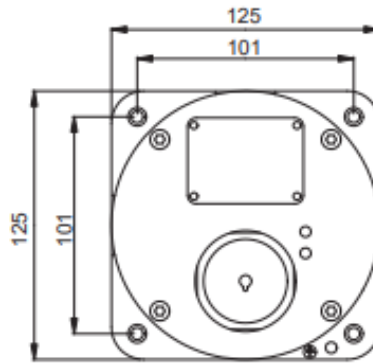
| | |
|---|--|
| Material | Enclosure: Glass-Reinforced Polyester (GRP) |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 |
| Ingress Protection | IP66/67 |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C |
| Certification | Nemko 13 ATEX 1564X, IECEX NEM 13.0034X |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 |
| Ambient Humidity* | until 95% with ice* |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 |
| Contact Type | 1x C/O or 2x C/O (1) |
| Conventional Thermal Courant (Ith) | AC 125/250 V (50/60Hz) =11A*** ; 30V DC = 6A***; 125 V DC = 0,3A***; 250 V DC = 0,6A*** |
| Minimum Voltage and Courant | DC 5V 10mA |
| Shorts Circuit Protection | 10 A gG |
| Cables Entry | 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² |
| Net Weight | 4.2 Kg |
| Line Resistor** | 470 Ohms** |
| Signalling LED | Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA |

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | |
|--------------|----------------------|-------------|--------|------------|-----------|---------------|-------------|-------------|--------------|
| | | Material | Switch | Duty label | Tag label | LED indicator | Features | Cable entry | Finish color |
| 8009878 | CP150SNNNNARD | EX GRP | Single | No | No | No LED | No features | 4 x M20 | Red |

PB 125 Ex Manual Call Point



- Zone 1 & 2
- Zone 21 & 22

This manual call point «push button» is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA.

There are two versions: push button and push button with key to release.

The visualization functions, line detection and lift flap protection are optional.

Housing is made of stainless steel 316L covered with UV resistant paint.


A complete range of accessories is available to customize a products.

| PRODUCT CODE CONFIGURATOR | | | | | | | |
|---------------------------|------------|------------|----------------------|---|-----------------|-----------------|---|
| SWITCH | DUTY LABEL | TAG LABEL | RESET | LED INDICATOR | FEATURES | CABLE ENTRY | FINISH COLOUR |
| SINGLE = 1 X C/O | Y = YES | Y = YES | S = SELF RESET | ■ ■ L = RED & GREEN | F = LIFT FLAP | A = M20 | ■ RD = RED |
| | | | | ■ R = RED | R = RESISTOR | B = M25 | ■ YW = YELLOW |
| DOUBLE = 2 X C/O | N = NO | N = NO | K = KEY RESET | ■ G = GREEN | D = DIODE | C = 1/2" NPT | ■ BU = BLUE |
| | | | | N = NO LED | N = NO FEATURES | D = 3/4" NPT | ■ BL = BLACK <input type="checkbox"/> OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO PB 125:

| | | | | | | | |
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|--|--|--|--|--|--|--|--|

Technical Data

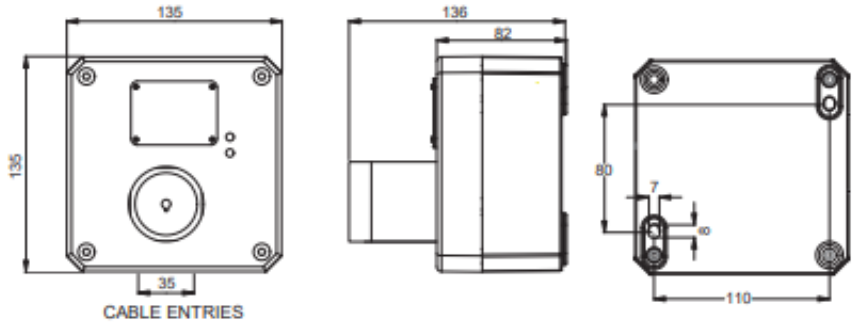
| | |
|---|--|
| Material | Enclosure: Stainless steel 316L |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 |
| Ingress Protection | IP66/67 |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C |
| Certification | Nemko 13 ATEX 1563X, IECEX NEM 13.0033X |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 |
| Ambient Humidity* | until 95% with ice if flap option |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 |
| Contact Type | 1x C/O or 2x C/O |
| Command Type Unit | self reset or key push pull |
| Conventional Thermal Courant (Ith) | AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A*** |
| Minimum Voltage and Courant | DC 5V 10mA |
| Shorts Circuit Protection | 10 A gG |
| Cables Entry | 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² |
| Net Weight | 4.9 Kg |
| Line Resistor** | 470 Ohms** |
| Signalling LED | Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA |

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | |
|--------------|----------------------|-------------|--------|------------|-----------|---------------|-------------|-------------|--------------|
| | | Material | Switch | Duty label | Tag label | LED indicator | Features | Cable entry | Finish color |
| 8009876 | PB125SNNKNNABRD | EX SS316 | Single | No | No | No LED | No features | 4 x M20 | Red |

PB 135 Ex Manual Call Point



- Zone 1 & 2
- Zone 21 & 22

This manual call point «push button» is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA.

There are two versions: push button and push button with key to release.

The visualization functions, line detection and lift flap protection are optional.

Housing is moulded Glass-Reinforced Polyester (GRP), dyed in the mass and protected by a paint UV resistant.

A complete range of accessories is available to customize a products.


PRODUCT CODE CONFIGURATOR

| SWITCH | DUTY LABEL | TAG LABEL | RESET | LED INDICATOR | FEATURES | CABLE ENTRY | ENTRY POSITION | FINISH COLOUR |
|-----------------|------------|------------|-------------------|---|-----------------|-----------------|----------------|--|
| SINGLE= 1 X C/O | Y = YES | Y = YES | S = SELF RESET | ■ ■ L = RED & GREEN | F = LIFT FLAP | A = M20 | T = TOP | ■ RD = RED |
| | | | | ■ R = RED | R = RESISTOR | B = M25 | | ■ YW = YELLOW |
| | N = NO | N = NO | K = KEY RESET | ■ G = GREEN | D = DIODE | C = 1/2" NPT | B = BOTTOM | ■ BU = BLUE |
| | | | | N = NO LED | N = NO FEATURES | D = 3/4" NPT | | ■ BL = BLACK □ OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO PB 135:

| | | | | | | | | |
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Technical Data

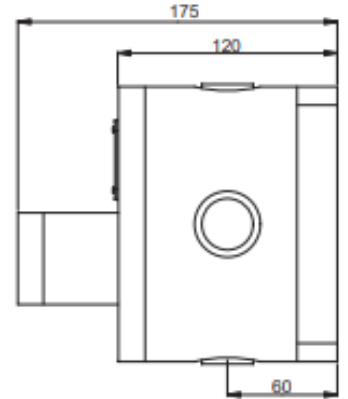
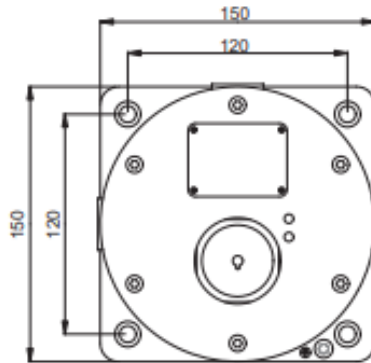
| | |
|---|--|
| Material | Enclosure: Glass-Reinforced Polyester (GRP) |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005 |
| Ingress Protection | IP66/67 |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C |
| Certification | • Nemko 13 ATEX 1568X, IECEX NEM 13.0038X |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 |
| Ambient Humidity* | until 95% with ice if flap option |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 |
| Contact Type | 1x C/O or 2x C/O |
| Command Type Unit | self reset or key push pull |
| Conventional Thermal Courant (Ith) | AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A*** |
| Minimum Voltage and Courant | DC 5V 10mA |
| Shorts Circuit Protection | 10 A gG |
| Cables Entry | 2 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² |
| Net Weight | 2 Kg |
| Line Resistor** | 470 Ohms** |
| Signalling LED | Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA |

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | |
|--------------|----------------------|-------------|--------|------------|-----------|---------------|-------------|-------------|----------------|--------------|
| | | Material | Switch | Duty label | Tag label | LED indicator | Features | Cable entry | Entry position | Finish color |
| 8009879 | PB135SNNKNNABRD | EX GRP | Single | No | No | No LED | No features | 2 x M20 | Bottom | Red |

PB 150 Ex Manual Call Point



- Zone 1 & 2
- Zone 21 & 22

This manual call point «push button» is certified for use in ATEX/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA.

There are two versions: push button and push button with key to release.

The visualization functions, line detection and lift flap protection are optional.

Housing is moulded Glass-Reinforced Polyester (GRP), dyed in the mass and protected by a paint UV resistant.


A complete range of accessories is available to customize a products

| PRODUCT CODE CONFIGURATOR | | | | | | | |
|---------------------------|------------|------------|-------------------|---|-----------------|-----------------|---|
| SWITCH | DUTY LABEL | TAG LABEL | RESET | LED INDICATOR | FEATURES | CABLE ENTRY | FINISH COLOUR |
| SINGLE= 1 X C/O | Y = YES | Y = YES | S = SELF RESET | ■ ■ L = RED & GREEN | F = LIFT FLAP | A = M20 | ■ RD = RED |
| | | | | ■ R = RED | R = RESISTOR | B = M25 | ■ YW = YELLOW |
| DOUBLE = 2 X C/O | N = NO | N = NO | K = KEY RESET | ■ G = GREEN | D = DIODE | C = 1/2" NPT | ■ BU = BLUE |
| | | | | N = NO LED | N = NO FEATURES | D = 3/4" NPT | ■ BL = BLACK <input type="checkbox"/> OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO PB 150:

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

Technical Data

| | |
|---|--|
| Material | Enclosure: Glass-Reinforced Polyester (GRP) |
| Color | Red: RAL 3001; Yellow**: RAL1018; Blue**: RAL5005; Black**: RAL9005, Black with yellow zebra*** : RAL9004+RAL1018 |
| Ingress Protection | IP66/67 |
| Ambient Temperature for operation | T6 = - 40°C ~ + 55°C , T5 = - 40°C ~ + 60°C, T4 = - 40°C ~ + 70°C |
| Certification | Nemko 13 ATEX 1564X, IECEX NEM 13.0034X |
| EX Code |  Ex d IIC T4 ~ T6 Gb, II 2 GD Ex tb IIIC T135°C ~T85°C |
| Standard | EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 |
| ATEX Area Zone | Gas zone: 1 & 2 Dust zone: 21 & 22 |
| Ambient Humidity* | until 95% with ice if flap option |
| Rated impulse withstand voltage | 1kV following IEC 61000-4-5 |
| Contact Type | 1x C/O or 2x C/O |
| Command Type Unit | self reset or key push pull |
| Conventional Thermal Courant (Ith) | AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A*** |
| Minimum Voltage and Courant | DC 5V 10mA |
| Shorts Circuit Protection | 10 A gG |
| Cables Entry | 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify) |
| Terminal | From 22 to 14 AWG - from 0.50 mm ² to 2.5 mm ² |
| Net Weight | 4,2 Kg |
| Line Resistor** | 470 Ohms** |
| Signalling LED | Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA |

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

Ordering information

| Order number | EX-Tech order number | Description | | | | | | | | |
|--------------|----------------------|-------------|--------|------------|-----------|------------|---------------|-------------|-------------|--------------|
| | | Material | Switch | Duty label | Tag label | Reset | LED indicator | Features | Cable entry | Finish color |
| 8009880 | PB150SNNSNNARD | EX GRP | Single | No | No | Self reset | No LED | No features | 4 x M20 | Red |

KAC Manual Call Point WCP3



Product Benefits

- Sealed to IP67
- Unique 'Plug & Play' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics and compact design

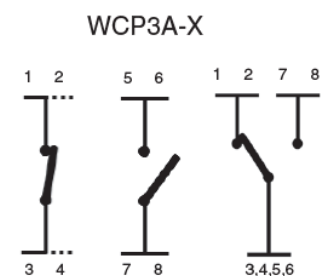
The outdoor WCP is an IP67 sealed manual call point product. The enhanced environmental protection allows the unit to be installed in many external environments where water and dirt are likely to be present, making it a true waterproof and outdoor product.

The WCP3A product version is supplied with one normally open and one normally closed contact. Selecting either the "Normally Open" or "Normally Closed" contact is easily achieved by simply connecting the terminal block to the required connection in the back of the WCP3 product. Single pole changeover switching can be achieved with the use of two terminal blocks.

Electrical Specification

| | |
|---------------------|------------------------|
| Connection Details: | See Figure .1 |
| Cable Termination: | 0.5-2.5mm ² |
| Maximum Voltage: | 30VDC |
| Switch Rating: | 2 Amps |

Figure .1

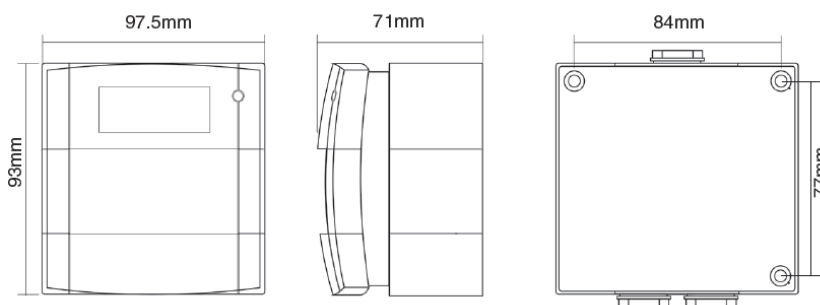


Environmental Specification

| | |
|---------------------------------|------------------------|
| Humidity: | 0-93±3% non-condensing |
| Operating Temperature: | -25 °C to +70 °C |
| Storage Temperature: | -25 °C to +70 °C |
| Ingress Protection (IP) Rating: | IP67 |

Mechanical Specification

| | |
|-----------|---|
| Material: | PC/ABS |
| Weight: | 350g |
| Colors: | Green, White, Yellow, Blue, Orange. |



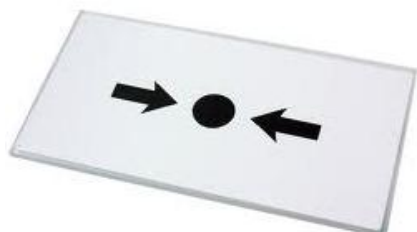
Ordering information

| Description | Part number |
|---------------------------------|-------------|
| KAC MANUAL CALLPOINT, BLUE IP67 | 8004099 |



Accessories for Call Points

KAC Manual Call Point Replacement Break Glass



In the event of an emergency, it may be necessary to raise the alarm by activating one of the manual call points installed as part of the fire alarm system. To activate the manual call point, the front glass window needs to be broken which then requires replacement when the fire alarm system is reset. This pack of 10 replacement break glass is designed for use with KAC manual call points, and allows for the call point glass to be restored after genuine or malicious activation. Manual call points should not be reset without replacing the element.

- Replacement glass windows supplied in a pack of 10
- Easy to fit and change as and when required
- Allows the call point to be used again after activation

Ordering information

| Manufacturer's part number | Description | Ordering information |
|----------------------------|-------------------------|----------------------|
| MUS156 | KAC Break Glass, 10 Pcs | 8004640 |

Call Point Test Key



- Green MCP, 2-pole, for surface mounting and with glass
- The glass must be broken for use
- Unique plug-and-play concept saves installation time
- Vandal protection reduces false alarms.

Ordering information

| Manufacturer's part number | Description | Ordering information |
|----------------------------|-------------------------------|----------------------|
| SC070 | KAC Test Key For MCP (10 pcs) | 8010994 |

Hinged Cover



Fitting a transparent hinged cover to a call point provides additional protection from accidental operation. They are particularly useful in high traffic areas such as stairwells and corridors in schools and public buildings, where the volume of traffic can result in accidental operation of the call point causing nuisance alarms.

With the addition of the hinged cover seal, which consists of a breakable polypropylene tie down, the incidence of malicious false alarms can also be reduced, as to operate the device the seal must first be broken. This will deter the casual vandal whilst the device remains operable to the more determined user.

Ordering information

| Manufacturer's part number | Description | Ordering information |
|----------------------------|------------------------|----------------------|
| PS200 | KAC Hinged Cover Plain | 8004572 |