

Detection - TECHNICAL CHARACTERISTICS

CO detectors

Scope

Equipments suitable for:

- detection in the environment of an abnormal concentration of carbon monoxide (CO) in quantities much lower than those generally accepted as the danger threshold
- operating on the solenoid valve intercepting the gas and/or exhaust fans or ventilators, stopping the abnormal combustion producing CO
- It signals that a leak has been detected and that the gas has been switched off, by means of optical (LED) and acoustic (buzzer) warning devices

Conformity to Standards

LV Directive

EMC Directive

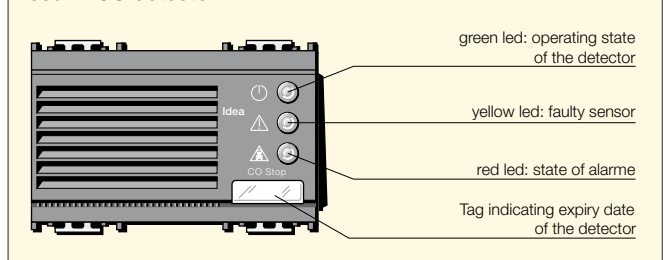
EN UNI 70032 Standard

Technical specifications

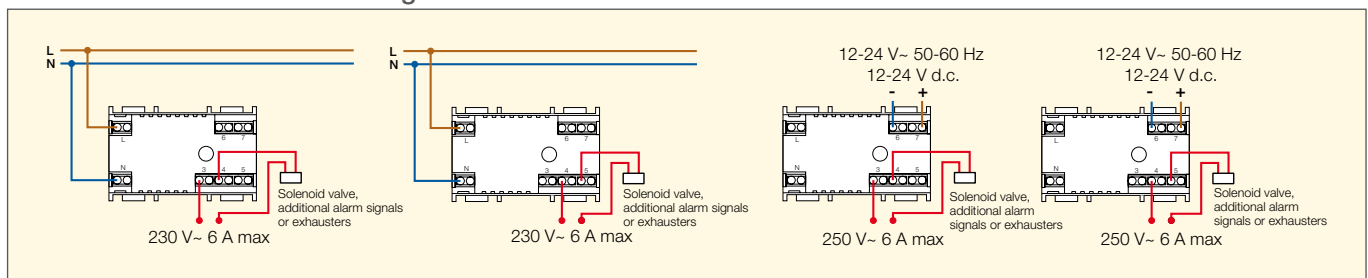
- **16594:** 230 V~ 50-60 Hz
- **16594.S:** 12-24 V~ 50-60 Hz and 12-24 V d.c. (SELV)
- sensor: stannic oxide semiconductor
- sealed calibration with temperature compensation
- operating threshold: 100 ppm for alarm on every 15 minutes, 300 ppm for alarm on every 15 seconds

- additional connections: solenoid valve, exhaust fans, etc.
- **16594:** terminals **L - N:** supply voltage 230 V~ $\pm 10\%$ 50-60 Hz
- **16594.S:** terminals **+** and **-:** supply voltage 12-24 V~ 50-60 Hz and 12-24 V d.c. (SELV)
- 6 A 230 V~ change-over relay output for connecting additional alarm signals or solenoid valves (NC - C-terminal if normally closed; C - NO-terminal if normally open)
- Operating signals:
 - acoustic, through piezoelectric buzzer 85 dB at 1 m
 - optical, through LEDs
- operating temperature: 0 °C - +40 °C

16594 - CO detector



16594 - 16594.S - Possible wirings



Smoke detectors

Scope

Electronic detector for white smokes presence in the ambient, for residential and tertiary sectors.

Conformity to Standards

LV Directive

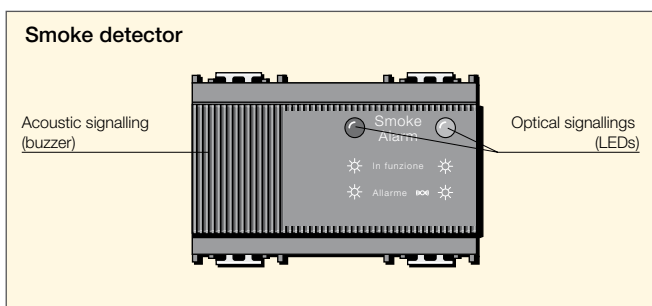
EN 60065 Standard

EMC Directive

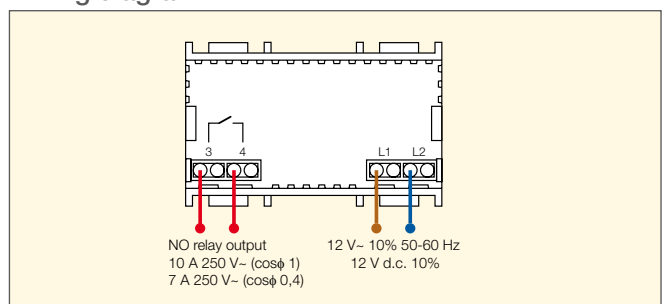
EN 50081-1, EN 50082-1 Standard

Technical specification

- supply voltage: 12 V d.c. $\pm 10\%$ or 12 V~ $\pm 10\%$ 50-60 Hz (SELV)
- to be supplied through safety transformer
- absorption: at rest 10 mA with 12 V d.c. and 20 mA with 12 V~; during alarm 80 mA with 12 V d.c.; 160 mA with 12 V~
- infrared optical sensor
- operation signalling: acoustic through built-in buzzer, optical through frontal LEDs
- output: NO 10 A 250 V~ $\cos\phi 1$ (7 A 250 V~ $\cos\phi 0,4$) relay, closign when smokes are detected by the sensor. It can be used to drive exhaust fans, motor-driven doors and windows, alarms, etc.



Wiring diagram



Detection

CO detector

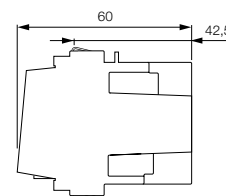
16594	.B	CO Stop, electronic carbon monoxide (CO) detector, acoustic and optical signalling, 6 A 230 V~ change-over relay output, supply voltage 230 V~ 50-60 Hz - 3 modules
16594.S	.B	CO Stop, electronic carbon monoxide (CO) detector, acoustic and optical signalling, 6 A 230 V~ change-over relay output, supply voltage 12-24 V~ 50-60 Hz and 12-24 V d.c. (SELV) 50-60 Hz - 3 modules. For damp and saline ambient



16594
grey



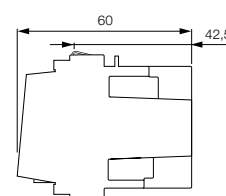
16594.B
white



16594.S
grey



16594.S.B
white



Smoke detector

16589	.B	Smoke Alarm, electronic smoke detector, acoustic and optical signalling, NO 10 A 250 V~ output relay, supply voltage 12 V~ 50-60 Hz (SELV) and 12 V d.c. - 3 modules
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16589
grey



16589.B
white

