

Signaling Stack Lights

SIT 30



Application

The **SIT 30** signaling stack lights show safety relevant operating states by different colors and also by an acoustic signal. They are suitable to be used in laboratories, industrial environment, and in building technology.

The **SIT 30** signaling stack lights are equipped with LEDs. The standard models provide 2 or 3 light modules. Optionally, models with 1 to 5 light modules, with 1 to 3 light modules and an acoustic module, as well as a model with 1 blinking light module.

A wall mounting and a base mounting are available as accessories.

The devices are available for different voltages working with AC and/or DC.

Operating Principle

Light diodes or acoustics are assembled into a common module case arranged as a signal stack.

The light diodes are wired with a common ground (cathode).

Mechanical Data

case					
case details	for one-hole mounting				
case material	polycarbonate V0/UL94, black				
lighting case material	polycarbonate				
mounting	screwcap				
position of use	any				
connections	screw terminals				
wire cross-section	1 module, 2 modules 2.5 mm ² , 3 to 5 modules 1 mm ²				
dimensions	1	2	3	4	5 modules
height (mm)	27	47	67	87	107
diameter	ø 30 mm				
panel cutout	ø 22 mm				
panel thickness	max. 8 mm				
mounting depth	57 mm				
weight approx.	1	2	3	4	5 modules
	20 g	30 g	40 g	50 g	60 g
	1+acoustics	2+acoustics	3+acoustic		
	35 g	45 g	55 g		

Electrical Data

rated voltage/	24 V AC/DC, 15 ... 20 mA
current consumption	◆ 48 V AC/DC, 15 ... 20 mA
per input	◆ 130 V AC/DC (110 ... 130 V), 15 ... 20 mA
	◆ 220 V DC, 9 mA
	240 V AC, 15 mA
enclosure code	IP65

Environmental

working temperature range	-20 ... +60 °C
LED lifetime	100,000 h
with ambient temperature 25 °C	

◆ see Optional Models

Rules and Standards

DIN EN 60 529	Enclosure codes by housings (IP-code)
EN 60947 - 5 - 1	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices
EN 55011	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement

Standard Models

2 modules	green, red; 24 V AC/DC, 240 V AC
3 modules	green, amber, red; 24 V AC/DC, 240 V AC
head module black	

Optional Models

optional voltages 48 V AC/DC, 130 V AC/DC, 220 V DC
for standard models

optional models

1 module	single colour red, green, amber, yellow, blue, or white blinking single colour red, green, amber, yellow, blue or white blinking single color red with acoustics two colours (transparent head module) red/green three colours (transparent head module) red/green/yellow 24 V AC/DC, 48 V AC/DC, 130 V AC/DC, 220 V DC, 240V AC
2 modules	red + acoustics 24 V AC/DC, 48 V AC/DC, 130 V AC/DC, 220 V DC, 240V AC
3 modules	green, red + acoustics 24 V AC/DC, 48 V AC/DC, 130 V AC/DC, 220 V DC, 240V AC
4 modules	green, amber, red + acoustics 24 V AC/DC, 48 V AC/DC
4 modules	green, blue, amber, red 24 V AC/DC, 48 V AC/DC
5 modules	white, green, blue, amber, red 24 V AC/DC, 48 V AC/DC

Accessories

wall mounting 90°



tube ø 26 mm for
signaling stack
light ø 22 mm

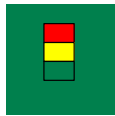


base for signaling
stack light
ø 22 mm



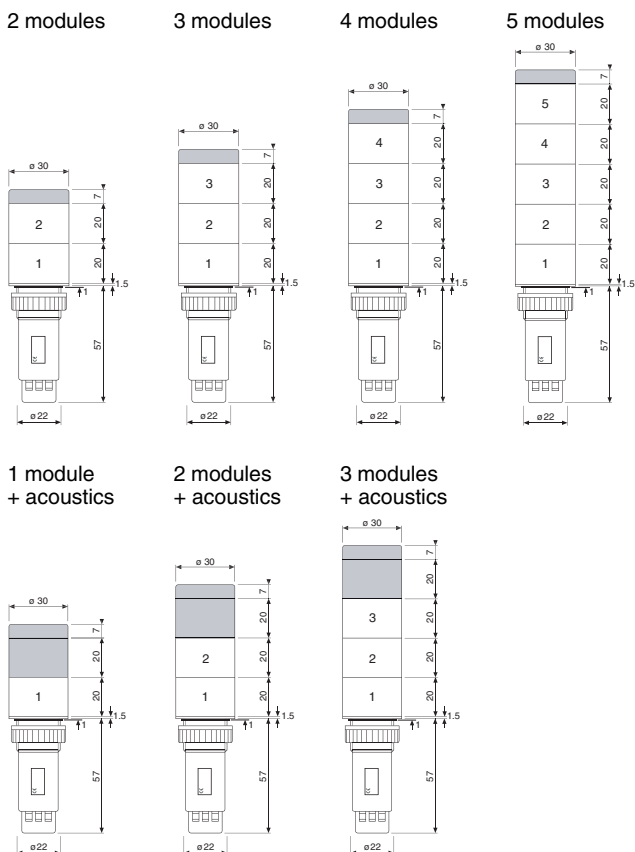
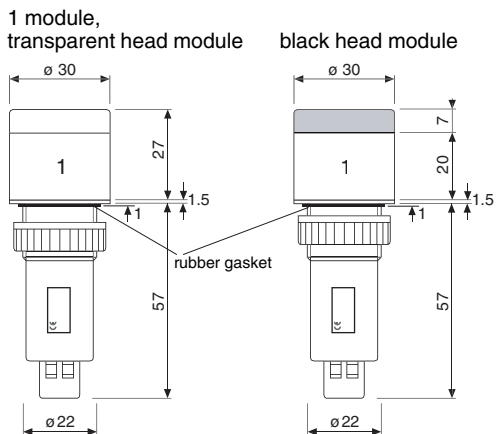
base for tube
ø 26 mm





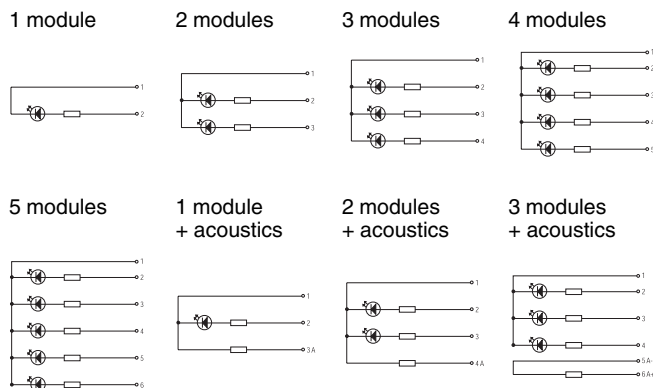
Signaling Stack Lights

Dimensions

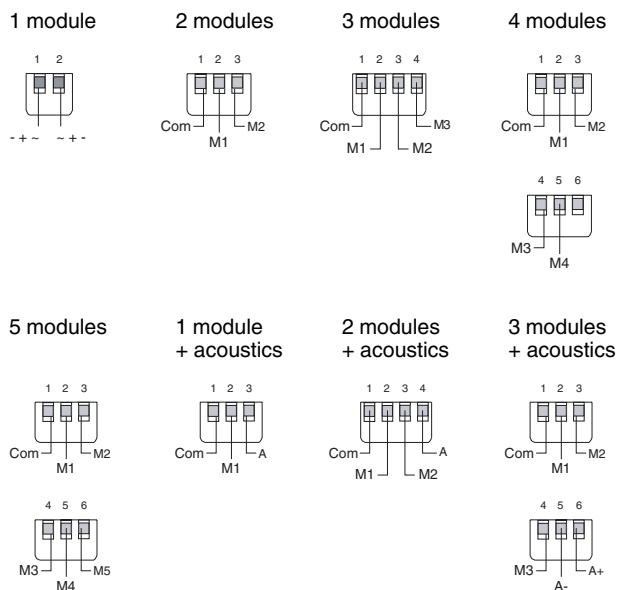


dimensions in mm

Connections



Terminals



Ordering Guide

SIT 30	signaling stack light
Model	Module composition
10	1 module
11	1 module blinking
12	1 module red, blinking light and acoustics module
20 ¹⁾	2 modules green, red
30 ¹⁾	3 modules green, amber, red
40	4 modules green, blue, amber, red
50	5 modules white, green, blue, amber, red
15	1 module red + acoustics module
25	2 modules green, red + acoustics module
35	3 modules green, amber, red + acoustics modul
Colours for module compositions 10 and 11	
1	red
2	green
3	yellow
4	amber
5	blue
6	white
Colours for module composition 10	
7	red/green
8	red/green/yellow
Voltage type	
0	AC
1	DC
8	AC/DC
Rated voltage	
2 ¹⁾	24 V
5	130 V
6	220 V DC only
7 ¹⁾	240 V AC only
9	48 V
Accessories	
wall mounting 90°	
base for signaling stack light	
base for tube	
tube for signaling stack light	

¹⁾ standard

Ordering example

SIT30 30 8 2

signaling stack light with 3 modules green, amber, red, 24 V AC/DC
accessory wall mounting 90°

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– specifications subject to change without notice; date of issue 12/16 –

