Lighting
Emergency luminaire With LED
GRP
6009/4148-2103-162-LLL2-22-840S11   Art. No. 320689

STAHL

- State-of-the-art LED technology with high luminous efficacy and long service life
- Extremely high luminaire efficacy
- Can be adjusted from a 1.5 to a 3.0 h rated operating time
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the light fitting
- Automatic weekly functional test and annual rated operating time test

MY R. STAHL **6009D**   〈Ex〉

The emergency luminaire with Series 6009/4 LED with integrated battery can be installed in stand-by switching, continuous mode or in switchable stand-by switching. A weekly functional test and annual rated operating time test are performed automatically. The results are indicated by an LED.

Technical Data

Explosion Protection	
Ex version	Yes
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEx IBE 16.0038
IECEx gas explosion protection	Ex db eb ib op is IIC T4 Gb
IECEx dust certificate	IECEx IBE 16.0038
IECEx dust explosion protection	Ex tb op is IIIC T100 °C Db
ATEX gas certificate	IBExU 16 ATEX 1199
ATEX gas explosion protection	〈Ex〉 II 2 G Ex db eb ib op is IIC T4 Gb
ATEX dust certificate	IBExU 16 ATEX 1199
ATEX dust explosion protection	〈Ex〉 II 2 D Ex tb op is IIIC T100 °C Db
Certificates and approvals	ATEX IECEx
Certificates	ATEX (IBE), IECEx (IBE), India (PESO)
Ship approval	DNV
Declaration of conformity	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data	
Rated operational voltage AC	100 ... 240 V
Battery version	NiCd battery, gas-tight
Battery operating voltage	6 V
Battery capacity	7 Ah
Self-test function	With (standard)
Frequency range	50 – 60 Hz
Lighting Data	
Number of lamps	1
Lamp wattage	45 W
Lamp	LED
Light colour	4000 K – warm neutral white
Light distribution	120°x120° with diffusing glass

2025-06-05
V 0.24 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

1/5

Lighting
Emergency luminaire With LED
GRP
6009/4148-2103-162-LLL2-22-840S11   Art. No. 320689

Lighting Data

Luminaire efficacy	102 lm/W
Luminous flux	4600 lm
Operating time	1.5 / 3h emergency lighting operation
Emergency light output	20% – 3 h 35% – 1.5 h
Colour rendering	≥ 80
Colour temperature	4000 K

Ambient Conditions

Ambient temperature	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +55 °C Note: Through wiring 2 Max. 3x10 A

Mechanical Data

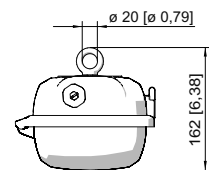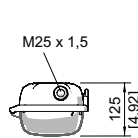|	
Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Light grey (RAL 7035)
Diffuser	With diffuser
Sealing material	Silicone
Silicone-free content	Contains silicone
Translucent cover material	Polycarbonate
Installed terminal strip	PE + N + L1 + L2 + L3 + L´
Max. solid connection terminals	6 mm²
Max. finely stranded connection terminals	4 mm²
Type of connection cable	Finely stranded Solid
Size	4
Width	183.5 mm
Height	125 mm
Length	1467 mm
Impact strength (IEC 62262)	IK10
Weight	9.2 kg
Weight	20.28 lb
Disconnection of the luminaire	All-pole disconnection

Components

Threaded plate	2x SS430 stainless steel
Ballast	6046/311-121-010
Through wiring	With 6 conductors 2.5 mm²
Drilled holes	4 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	3 x M20 x 1.5
Stopping plug material	Polyamide, black
Accessories	Installed

2025-06-05
V 0.24 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

2/5

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

M25 x 1,5

183,5 [7,22]

L1
L2
L3

M25 x 1,5

125 [4,92]

ø 20 [ø 0,79]

162 [6,38]

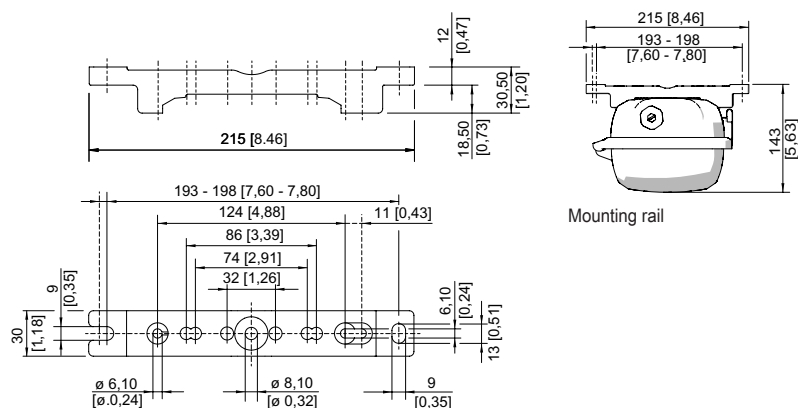Ring bolt fitted in insert nut of the luminaire

Size 2:
L1 = 857 mm [33.74]
L2 = 400 mm [15.75]
L3 = 320 ... 480 mm [12.60 ... 18.90]

Size 4:
L1 = 1467 mm [57.76]
L2 = 800 mm [31.50]
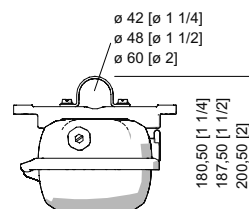L3 = 670 ... 930 mm [26.38 ... 36.61]

12 [0,47]

30,50 [1,20]

18,50 [0,73]

215 [8.46]

215 [8,46]
193 - 198 [7,60 - 7,80]

143 [5,63]

Mounting rail

ø 42 [ø 1 1/4]
ø 48 [ø 1 1/2]
ø 60 [ø 2]

180,50 [1 1/4]
187,50 [1 1/2]
200,50 [2]
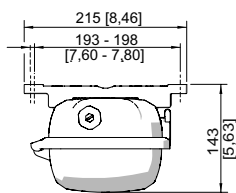
Pipe clamp fitted in mounting rail
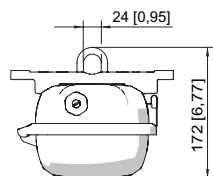
193 - 198 [7,60 - 7,80]
124 [4,88]
86 [3,39]
74 [2,91]
32 [1,26]
11 [0,43]

9 [0,35]
30 [1,18]

6,10 [0,24]
13 [0,51]

ø 6,10 [ø.0,24]
ø 8,10 [ø 0,32]
9 [0,35]

Mounting rail

24 [0,95]

172 [6,77]

Mounting bracket fitted in mounting rail

10x15°

A

296 [11,65]

A

110 [4,33]
8,50 [0,35]

34 [1,39]

8,50 [0,35]

65,50 - 74,50 [2,58 - 2,93]

Wall mounting bracket fitted in mounting rail

L1
828 [32,60]
L2

ø 42 ± 0,60 [ø 1,65 ± 0,02]

M 25 x 1,50

159,50 [6,28]

151 [5,95]

184,50 [7,26]
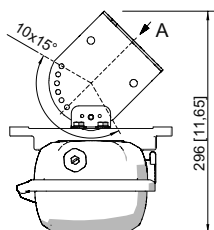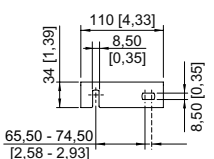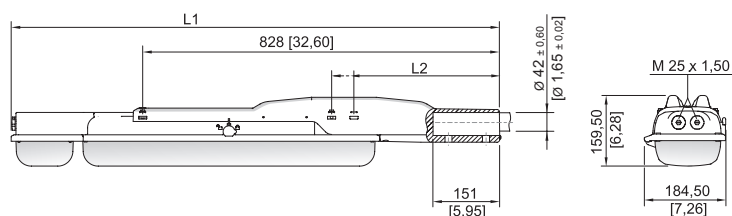
With pole mounting sleeve
Size 2:
L1 = 1133 mm [44.61]
L2 = 390 mm [15.35]

Size 4:
L1 = 1742 mm [68.58]
L2 = 338 mm [13.31]

2025-06-05
V 0.24 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

3/5

Lighting
Emergency luminaire With LED
GRP
6009/4148-2103-162-LLL2-22-840S11   Art. No. 320689
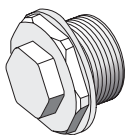
Accessories
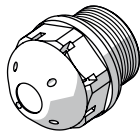
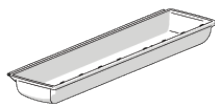| Breather		Art. No.
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608

Cover		Art. No.
	For size 4 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276670

Holder for translucent cover		Art. No.
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791

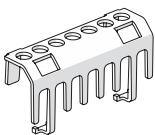| Pole mounting sleeve		Art. No.
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512
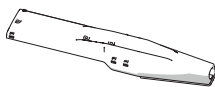
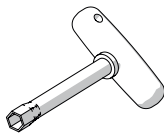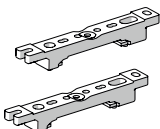| Protection against accidental contact		Art. No.
	The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.	283153

Box spanner		Art. No.
	M8 / A/F 13; For actuating the central lock	222430

Mounting rail		Art. No.
	for a variable mounting distance; 1 pair	222826
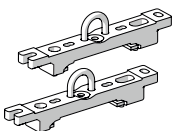
Mounting bracket		Art. No.
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456
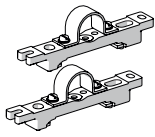
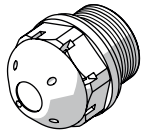| Pipe clamp		Art. No.
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460

Ring bolt		Art. No.
	M8, direct mounting in insert nuts; 1 pair	115736

Breather		Art. No.
	M25 x 1.5 in order to avoid condensate formation	115738

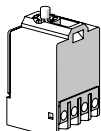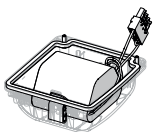| Ceiling and wall mounting bracket		Art. No.
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827
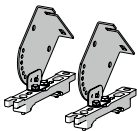
Spare Parts

Contact element		Art. No.
	8080/1-3-L 2 NC contact element	132527

Battery set		Art. No.
	Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V	223532

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.