



- Fixed signal tone
- Volume max. 105 dB(A) @ 1 m
- Installation by means of angle mounting
- AC and DC versions
- Signal horn Series 8491/1: with trumpet and connection cable
- Signal Horn Series 8491/2: compact design with connection chamber and cable gland

E5

WebCode **8491A**



The signal horns Series 8491 are audio signalling devices designed to warn, call and indicate in hazardous areas.

They are made of a robust PC/ABS blend.

Installation is realised by means of angle mounting.

The versions of Series 8491/1 have been developed for use in areas with an explosive gas atmosphere.

They have a trumpet for optimum sound concentration as well as a connection cable.

The compact signal horns Series 8491/2 have a connection chamber and can be used indoors and outdoors in areas with explosive gas atmosphere.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table						
Product variant		Signal horn with trumpet				
Rated operational voltage AC	Rated operational voltage DC	Safety nominal value	Product Type	Art. No.	PS	Weight kg
24 – 24 V	–	630 mA	8491/11-024-RU	247037 ▲	17	1.450
		630 mA	8491/11-024	145276 ▲	17	1.450
42 – 48 V	–	315 mA	8491/11-042-RU	247038 ▲	17	1.450
		315 mA	8491/11-042	145278 ▲	17	1.450
115 – 115 V	–	315 mA	8491/11-115-RU	247039 ▲	17	1.450
		315 mA	8491/11-115	145279	17	1.450
230 – 230 V	–	125 mA	8491/11-230-RU	247040 ▲	17	1.450
		125 mA	8491/11-230	145280 ▲	17	1.450
–	24 – 24 V	500 mA	8491/15-024-RU	247036 ▲	17	1.450
		500 mA	8491/15-024	145275 ▲	17	1.450
Product variant		Signal horn, compact design with connection chamber				
Rated operational voltage AC	Rated operational voltage DC	Safety nominal value	Product Type	Art. No.	PS	Weight kg
24 – 24 V	–	630 mA	8491/21-024-RU	247042 ▲	17	1.500
		630 mA	8491/21-024	145282 ▲	17	1.500

## Selection Table

Signal horn, compact design with connection chamber							
Product variant	Rated operational voltage AC	Rated operational voltage DC	Safety nominal value	Product Type	Art. No.	PS	Weight kg
42 – 48 V	–	–	315 mA	8491/21-042-RU	247043 ▲	17	1.500
			315 mA	8491/21-042	145283 ▲	17	1.500
115 – 115 V	–	–	315 mA	8491/21-115-RU	247044 ▲	17	1.500
			315 mA	8491/21-115	145284	17	1.500
230 – 230 V	–	–	125 mA	8491/21-230-RU	247035 ▲	17	1.500
			125 mA	8491/21-230	145285 ▲	17	1.500
–	24 – 24 V	–	500 mA	8491/25-024-RU	247041 ▲	17	1.500
			500 mA	8491/25-024	145281 ▲	17	1.500

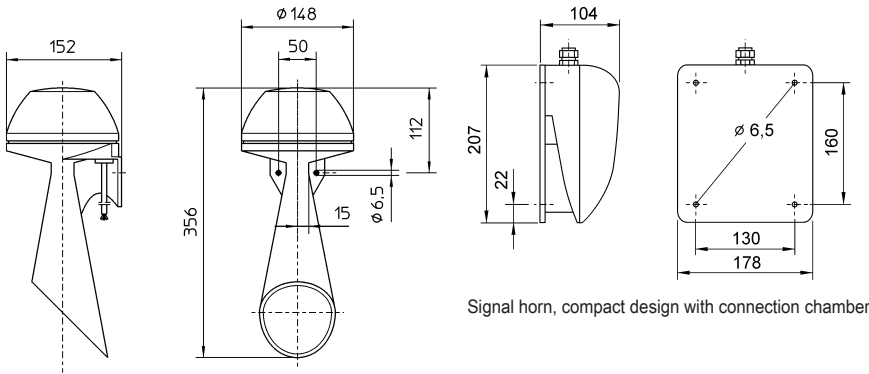
## Technical Data

Variant	8491/1	8491/2
<b>Explosion Protection</b>		
Ambient temperature °C	-40 ... +50 °C	-40 ... +50 °C
Gas explosion protection ATEX	Ⓔ II 2 G Ex mb IIC T5 Gb	Ⓔ II 2 G Ex e mb IIC T5 Gb
Gas explosion protection EAC	1 Ex mb IIC T5 Gb X, 1 Ex e mb IIC T5 Gb X	1 Ex mb IIC T5 Gb X, 1 Ex e mb IIC T5 Gb X
Dust explosion protection ATEX		Ⓔ II 2 D Ex tb IIIC T70 °C Db
Dust explosion protection EAC	Ex tb IIIC T70°C Db	Ex tb IIIC T70°C Db
Certificates	ATEX (BVS), EAC (STV)	ATEX (BVS), EAC (STV)
<b>Acoustic Data</b>		
Sound pressure level	max. 105 dB(A) @ 1 m	max. 105 dB(A) @ 1 m
<b>Mechanical Data</b>		
Degree of protection IP (IEC 60529)	IP55	IP65
Enclosure material	PC/ABS	PC/ABS
Trumpet material	PC/ABS	
Enclosure colour	Black	Black
Connection terminals solid max.		2.5 mm <sup>2</sup>
Conductor length	3 m	
<b>Mounting / Installation</b>		
Connection type	LAPPTHERM 145, 2 x 0.75 mm <sup>2</sup>	Screw terminal
<b>Components</b>		
Drilled holes		1 x M16
Screw connections		1 x M16 Ø 6.5 – 9.5 mm

You can find more technical data online at [r-stahl.com](http://r-stahl.com). WebCode 8491A

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

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Signal horn with trumpet

Signal horn, compact design with connection chamber