



- The latest generation of audible and visual alarm devices
- Ex d/Ex e connection chambers
- Visual solutions with 5 to 21 J XENON and high-power LEDs with various light modes and 4 light channels
- Audible solutions with directional or omnidirectional horn with up to 120 dB(A) at 1 m, 4 tone channels and 64 preconfigured tones
- Four output levels can be configured
- Brackets, fixings and protective grid made from stainless steel
- Compliant with EN 54/DNV
- Fastening bracket and protective cage included

E5

MY R. STAHL YL60C



The **YL60/3 product series** provides audible and visual alarm signals which can be used to alert, warn or draw attention to equipment malfunction/start-up or any number of safety-related issues in hazardous areas. The preconfigured signal tones and light patterns (LED) provide a wide range of internationally standardised signal patterns. The audible and visual signals can be operated separately or in combination, with four channels available for each type of signal, enabling flexible use. The signalling devices meet the requirements of EN 54 and DNV for extremely challenging ambient conditions.

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

Selection Table					
Lamp Horn version Sound pressure level	5 J xenon flash tubes directional max. 120 dB(A) @ 1 m				
Lens colour	Rated operational voltage AC	Rated operational voltage DC	Product Type	Art. No.	Weight
Amber	110 ... 240 V	133 ... 272 V	YL60/324-PL101-00AW30-ST000-0000	319432	8.56 kg
	–	12 ... 27.2 V	YL60/324-DL101-00AW30-ST000-0000	319424	8.39 kg
Blue	110 ... 240 V	133 ... 272 V	YL60/324-PL101-00BW30-ST000-0000	319433	8.56 kg
	–	12 ... 27.2 V	YL60/324-DL101-00BW30-ST000-0000	319425	8.39 kg
Clear	110 ... 240 V	133 ... 272 V	YL60/324-PL101-00CW30-ST000-0000	319367	8.56 kg
	–	12 ... 27.2 V	YL60/324-DL101-00CW30-ST000-0000	319426	8.39 kg
Green	110 ... 240 V	133 ... 272 V	YL60/324-PL101-00GW30-ST000-0000	319368	8.56 kg
	–	12 ... 27.2 V	YL60/324-DL101-00GW30-ST000-0000	319427	8.39 kg
Red	110 ... 240 V	133 ... 272 V	YL60/324-PL101-00RW30-ST000-0000	319369	8.56 kg
	–	12 ... 27.2 V	YL60/324-DL101-00RW30-ST000-0000	319428	8.39 kg

Selection Table

Lamp Horn version Sound pressure level		5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m			
Lens colour	Rated operational voltage AC	Rated operational voltage DC	Product Type	Art. No.	Weight
Amber	110 ... 240 V	133 ... 272 V	YL60/324-PS101-00AW30-ST000-0000	319370	6.72 kg
	–	12 ... 27.2 V	YL60/324-DS101-00AW30-ST000-0000	312358	6.54 kg
Blue	110 ... 240 V	133 ... 272 V	YL60/324-PS101-00BW30-ST000-0000	319411	6.72 kg
	–	12 ... 27.2 V	YL60/324-DS101-00BW30-ST000-0000	319429	6.54 kg
Clear	110 ... 240 V	133 ... 272 V	YL60/324-PS101-00CW30-ST000-0000	319412	6.72 kg
	–	12 ... 27.2 V	YL60/324-DS101-00CW30-ST000-0000	319430	6.54 kg
Green	110 ... 240 V	133 ... 272 V	YL60/324-PS101-00GW30-ST000-0000	319413	6.72 kg
	–	12 ... 27.2 V	YL60/324-DS101-00GW30-ST000-0000	319431	6.54 kg
Red	110 ... 240 V	133 ... 272 V	YL60/324-PS101-00RW30-ST000-0000	319414	6.72 kg
	–	12 ... 27.2 V	YL60/324-DS101-00RW30-ST000-0000	312360	6.54 kg
Lamp Horn version Sound pressure level		LED dome light fitting directional max. 120 dB(A) @ 1 m			
Lens colour	Rated operational voltage AC	Rated operational voltage DC	Product Type	Art. No.	Weight
Amber	110 ... 240 V	133 ... 272 V	YL60/326-PL801-00AW30-ST000-0000	319443	6.68 kg
	–	12 ... 27.2 V	YL60/326-DL801-00AW30-ST000-0000	319415	8.43 kg
Blue	110 ... 240 V	133 ... 272 V	YL60/326-PL801-00BW30-ST000-0000	319444	8.61 kg
	–	12 ... 27.2 V	YL60/326-DL801-00BW30-ST000-0000	319416	8.43 kg
Clear	110 ... 240 V	133 ... 272 V	YL60/326-PL801-00CW30-ST000-0000	319445	8.61 kg
	–	12 ... 27.2 V	YL60/326-DL801-00CW30-ST000-0000	319417	8.43 kg
Green	110 ... 240 V	133 ... 272 V	YL60/326-PL801-00GW30-ST000-0000	319446	8.61 kg
	–	12 ... 27.2 V	YL60/326-DL801-00GW30-ST000-0000	319418	8.43 kg
Red	110 ... 240 V	133 ... 272 V	YL60/326-PL801-00RR30-ST000-0000	319447	8.61 kg
	–	12 ... 27.2 V	YL60/326-DL801-00RR30-ST000-0000	319419	8.43 kg
Lamp Horn version Sound pressure level		LED dome light fitting omnidirectional max. 114 dB(A) @ 1 m			
Lens colour	Rated operational voltage AC	Rated operational voltage DC	Product Type	Art. No.	Weight
Amber	110 ... 240 V	133 ... 272 V	YL60/326-PS801-00AW30-ST000-0000	319448	6.76 kg
	–	12 ... 27.2 V	YL60/326-DS801-00AW30-ST000-0000	312371	6.58 kg
Blue	110 ... 240 V	133 ... 272 V	YL60/326-PS801-00BW30-ST000-0000	319449	6.76 kg
	–	12 ... 27.2 V	YL60/326-DS801-00BW30-ST000-0000	319420	6.58 kg
Clear	110 ... 240 V	133 ... 272 V	YL60/326-PS801-00CW30-ST000-0000	319450	6.76 kg
	–	12 ... 27.2 V	YL60/326-DS801-00CW30-ST000-0000	319441	6.58 kg

Selection Table

Lamp	LED dome light fitting				
Horn version	omnidirectional				
Sound pressure level	max. 114 dB(A) @ 1 m				
Lens colour	Rated operational voltage AC	Rated operational voltage DC	Product Type	Art. No.	Weight
Green	110 ... 240 V	133 ... 272 V	YL60/326-PS801-00GW30-ST000-0000	319451	6.76 kg
	–	12 ... 27.2 V	YL60/326-DS801-00GW30-ST000-0000	319442	6.58 kg
Red	110 ... 240 V	133 ... 272 V	YL60/326-PS801-00RR30-ST000-0000	319452	6.76 kg
	–	12 ... 27.2 V	YL60/326-DS801-00RR30-ST000-0000	312359	6.58 kg

Technical Data

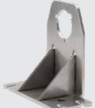
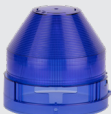
Variant	YL60/326 LED dome light fitting	YL60/324 xenon flash tubes
Explosion Protection		
Area of application	European Union (ATEX) IECEX United Kingdom	European Union (ATEX) IECEX United Kingdom
IECEX gas explosion protection	Ex db eb IIC T6 / T4 Gb	Ex db eb IIC T4 Gb
IECEX dust explosion protection	Ex tb IIIC T80 °C / T100 °C Db	Ex tb IIIC T100 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex db eb IIC T6 / T4 Gb	Ⓔ II 2 G Ex db eb IIC T4 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T80 °C / T100 °C Db	Ⓔ II 2 D Ex tb IIIC T100 °C Db
Declaration of conformity	ATEX (EUK)	ATEX (EUK)
Certificates	ATEX (BVIS), IECEX (BVIS)	ATEX (BVIS), IECEX (BVIS)
Electrical Data		
Line monitoring	Yes	Yes
Tolerance	-10 ... 10 %	-10 ... 10 %
Acoustic Data		
Sound level	4	4
Volume control	Max. -18 dB(A) adjustment	Max. -18 dB(A) adjustment
Ambient Conditions		
Ambient temperature	-40 °C ... 40 °C (T6) -40 °C ... 70 °C (T4)	-40 °C ... 70 °C (T4)
Storage temperature	-60 °C ... 70 °C	-60 °C ... 70 °C
Mechanical Data		
IP degree of protection (IEC 60598)	IP66	IP66
Connection chamber version	Ex e	Ex e
Enclosure material	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant
Enclosure colour	red, similar to RAL 3020	red, similar to RAL 3020
Silicone-free content	Contains silicone	Contains silicone
Trumpet material	PC/PBT	PC/PBT
Material dome	Polycarbonate, prismatic	Polycarbonate, prismatic
Protective collar material	Polycarbonate (PC cover)	Polycarbonate (PC cover)
Wire guard material	Stainless steel	Stainless steel
Max. solid connection terminals	4 mm²	4 mm²
Max. finely stranded connection terminals	2.5 mm²	2.5 mm²
Mounting / Installation		
Mounting part material	Stainless steel	Stainless steel
Connection type	Push in	Push in
Components		
Drilled holes	2 x M20 + 2 x M25	2 x M20 + 2 x M25
Cable glands and entries	1 x M20 Ø 4 ... 13 mm 1 x M25 Ø 7 ... 17 mm	1 x M20 Ø 4 ... 13 mm 1 x M25 Ø 7 ... 17 mm
Stopping plugs	2x M20 + 2x M25	2x M20 + 2x M25

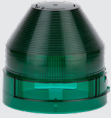
You can find more technical data online at r-stahl.com. MY R. STAHL YL60C

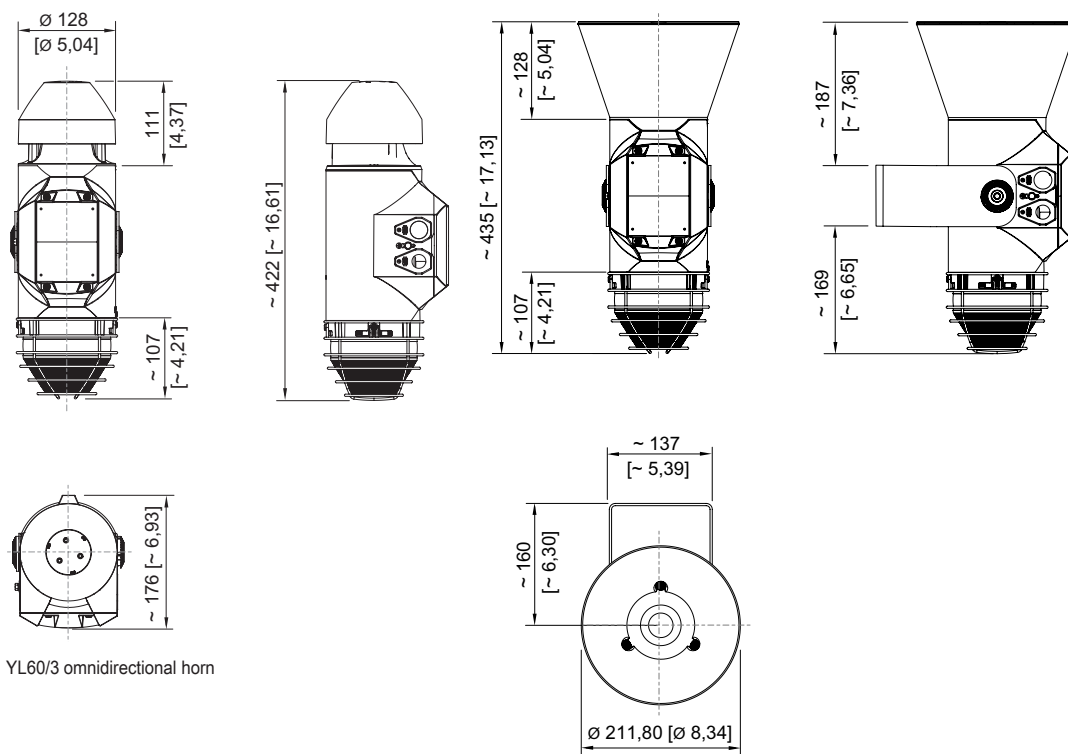
Accessories

Figure	Description	Art. No.	Weight
Metal cable gland			
	Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass) Type 20PX2K, M20 x 1.5	109428	240 g
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PX2K-REX, M20 x 1.5	246649	240 g
	Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K, M20 x 1.5	109441	200 g
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K-REX, M20 x 1.5	246605	200 g
Plastic cable gland			
	8161/7-M20-1304, Ex e Polyamide, M20 x 1,5 mm, 4 – 13 mm Lot size 50 pieces	239156	13 g
Stopping plug			
	8290/3-M20 Plastic, M20 x 1.5 Lot size 1 piece	143522	7 g
	8290/3-M20 Plastic, M20 x 1.5 Lot size 100 pieces	285773	500 g

Spare Parts

Figure	Description	Art. No.	Weight
Mounting accessories			
	L-bracket, stainless steel 1.4404	319271	655 g
	U-bracket, stainless steel 1.4404	319280	1.55 kg
Protective cage			
	Protective cage, stainless steel 1.4404	319272	555 g
Textured lens			
	amber	319273	485 g
	blue	319274	485 g

Spare Parts			
Figure	Description	Art. No.	Weight
Textured lens			
	green	319275	485 g
	clear	319276	485 g
	red	319278	485 g
Lamp			
	Xenon tube PCB 5 joules	319281	-
Shaped horn			
	directional, repair kit	319249	1.01 kg
	omnidirectional, repair kit	319250	625 g



YL60/3 omnidirectional horn

YL60/3 directional horn