



- The latest generation of audible and visual alarm devices
- Ex d/Ex e connection chambers
- Visual solutions with 5 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
- 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.

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

Selection Table						
Lamp	5 J xenon flash tubes					
Horn version	directional					
Sound pressure level	max. 120 dB(A) @ 1 m					
Connection chamber version	Ex d					
Certificates	ATEX (BVIS), IECEX (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX	Clear	–	12 ... 27.2 V	YL60/334-DL101-00CW10-ST000-0000	327627	8.75 kg
	Red	–	12 ... 27.2 V	YL60/334-DL101-00RW10-ST000-0000	329342	8.23 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PL101-00RW10-ST000-0000	328296	8.92 kg

Selection Table

Lamp Horn version Sound pressure level Connection chamber version Certificates		5 J xenon flash tubes directional max. 120 dB(A) @ 1 m Ex e ATEX (BVIS), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEX	Amber	–	12 ... 27.2 V	YL60/324-DL101-00AW30-ST000-0000	319424	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00AW30-ST000-0000	319432	8.56 kg
	Blue	–	12 ... 27.2 V	YL60/324-DL101-00BW30-ST000-0000	319425	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00BW30-ST000-0000	319433	8.56 kg
	Clear	–	12 ... 27.2 V	YL60/324-DL101-00CW30-ST000-0000	319426	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00CW30-ST000-0000	319367	8.56 kg
	Green	–	12 ... 27.2 V	YL60/324-DL101-00GW30-ST000-0000	319427	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00GW30-ST000-0000	319368	8.56 kg
	Red	–	12 ... 27.2 V	YL60/324-DL101-00RW30-ST000-0000	319428	8.39 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PL101-00RW30-ST000-0000	319369	8.56 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex d ATEX (BVIS), Brazil (ULB), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) Brazil IECEX	Green	–	12 ... 27.2 V	YL60/334-DS101-00GW10-ST004-0003	346557	6.39 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates		5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex d ATEX (BVIS), China (CQST), IECEx (BVIS)				
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) China (CQST) IECEX	Red	–	12 ... 27.2 V	YL60/334-DS101-00RW10-ST005-0007	343704	6.38 kg

Selection Table

Lamp Horn version Sound pressure level Connection chamber version Certificates	5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex d ATEX (BVIS), IECEx (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEx	Amber	–	12 ... 27.2 V	YL60/334-DS101-00AW10-ST000-0000	321220	6.9 kg
	Blue	–	12 ... 27.2 V	YL60/334-DS101-00BW10-ST000-0000	321351	6.9 kg
	Clear	–	12 ... 27.2 V	YL60/334-DS101-00CW10-ST000-0000	321355	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00CW10-ST000-0000	327763	7.08 kg
	Green	–	12 ... 27.2 V	YL60/334-DS101-00GW10-ST000-0000	321356	6.9 kg
	Red	–	12 ... 27.2 V	YL60/334-DS101-00RW10-ST000-0000	321242	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00RW10-ST000-0000	318821	7.08 kg
	Yellow	–	12 ... 27.2 V	YL60/334-DS101-00YW10-ST000-0000	321357	6.9 kg
		110 ... 240 V	133 ... 272 V	YL60/334-PS101-00YW10-ST000-0000	344425	6.56 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates	5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex e ATEX (BVIS), China (CQST), IECEx (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) China (CQST) IECEx	Red	–	12 ... 27.2 V	YL60/324-DS101-00RW30-ST005-0007	343320	6.02 kg
Lamp Horn version Sound pressure level Connection chamber version Certificates	5 J xenon flash tubes omnidirectional max. 114 dB(A) @ 1 m Ex e ATEX (BVIS), IECEx (BVIS)					
Area of application	Lens colour	AC rated operational voltage	Rated operational voltage DC	Product Type	Art. No.	Weight
European Union (ATEX) IECEx	Amber	–	12 ... 27.2 V	YL60/324-DS101-00AW30-ST000-0000	312358	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00AW30-ST000-0000	319370	6.72 kg
	Blue	–	12 ... 27.2 V	YL60/324-DS101-00BW30-ST000-0000	319429	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00BW30-ST000-0000	319411	6.72 kg
	Clear	–	12 ... 27.2 V	YL60/324-DS101-00CW30-ST000-0000	319430	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00CW30-ST000-0000	319412	6.72 kg
	Green	–	12 ... 27.2 V	YL60/324-DS101-00GW30-ST000-0000	319431	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00GW30-ST000-0000	319413	6.72 kg
	Red	–	12 ... 27.2 V	YL60/324-DS101-00RW30-ST000-0000	312360	6.54 kg
		110 ... 240 V	133 ... 272 V	YL60/324-PS101-00RW30-ST000-0000	319414	6.72 kg

Technical Data

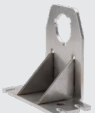
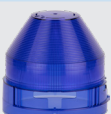
Variant	YL60/326 LED dome light fitting Ex e	YL60/324 xenon flash tubes Ex e	YL60/336 LED dome light fitting Ex d	YL60/334 xenon flash tubes Ex d
Explosion Protection				
IECEx gas explosion protection	Ex db eb IIC T6 / T4 Gb	Ex db eb IIC T4 Gb	Ex db IIC T6 / T4 Gb	Ex db IIC T4 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C / T100 °C Db	Ex tb IIIC T100 °C Db	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	Ⓔ II 2 G Ex db IIC T6 / T4 Gb	Ⓔ II 2 G Ex db 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	Ⓔ II 2 D Ex tb IIC T80 °C / T100 °C Db	Ⓔ II 2 D Ex tb IIIC T100 °C Db
Declaration of conformity	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)
Electrical Data				
Line monitoring	Yes	Yes	Yes	Yes
Acoustic Data				
Sound level	4	4	4	4
Volume control	18 dB (A) adjustment	18 dB (A) adjustment	18 dB (A) adjustment	18 dB (A) adjustment
Ambient Conditions				
Ambient temperature	-40 °C ... 40 °C (T6) -40 °C ... 70 °C (T4)	-40 °C ... 70 °C (T4)	-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	-60 °C ... +70 °C	-60 °C ... +70 °C
Mechanical Data				
IP degree of protection (IEC 60598)	IP66	IP66	IP66	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant
Enclosure colour	red, similar to RAL 3020	red, similar to RAL 3020	red, similar to RAL 3020	red, similar to RAL 3020
Silicone-free content	Contains silicone	Contains silicone	Contains silicone	Contains silicone
Trumpet material	PC/PBT	PC/PBT	PC/PBT	PC/PBT
Material dome	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic
Protective collar material	Polycarbonate (PC cover)	Polycarbonate (PC cover)	Polycarbonate (PC cover)	Polycarbonate (PC cover)
Wire guard material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Max. solid connection terminals	4 mm²	4 mm²	4 mm²	4 mm²
Max. finely stranded connection terminals	2.5 mm²	2.5 mm²	2.5 mm²	2.5 mm²
Mounting / Installation				
Mounting part material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection type	Push in	Push in	Push in	Push in
Components				
Drilled holes	2 x M20 + 2 x M25	2 x M20 + 2 x M25	2x M20 + 2x 1/2"	2x M20 + 2x 1/2"
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	2x M20 + 2x 1/2"	2x M20 + 2x 1/2"

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

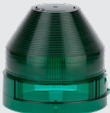
Accessories

Figure	Description	Art. No.	Weight
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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	10 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

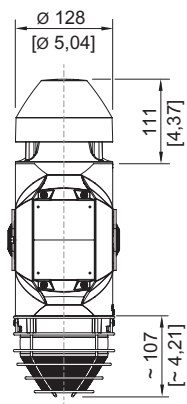
Spare Parts			
Figure	Description	Art. No.	Weight
Mounting accessories			
	L-bracket, stainless steel 1.4404	319271	655 g
	U-bracket, stainless steel 1.4404	319280	1.55 kg
Protective cage			
	Protective cage, stainless steel 1.4404	319272	555 g
Textured lens			
	amber	319273	485 g
	blue	319274	485 g

Spare Parts

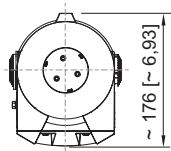
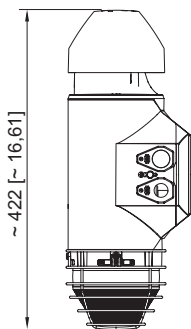
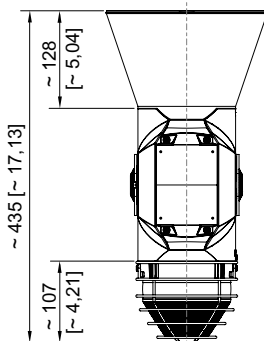
Figure	Description	Art. No.	Weight
Textured lens			
	green	319275	485 g
	clear	319276	485 g
	red	319278	485 g
	yellow (YL60/3, FL60/3)	319279	485 g
Lamp			
	Xenon tube PCB 5 joules	319281	-
Shaped horn			
	directional, repair kit	319249	1.01 kg
	omnidirectional, repair kit	319250	625 g

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

E5



YL60/3 omnidirectional horn



YL60/3 directional horn

