



- 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
- 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 FL60D



The **FL60/3 product series** provides 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 light patterns (LED) provide a wide range of internationally standardised signal patterns, whereby four channels are available for each, 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	5 J xenon flash tubes					
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 United Kingdom	Amber	–	12 ... 27.2 V	FL60/334-D0111-00AW10-ST000-0000	321359	5.86 kg
	Blue	–	12 ... 27.2 V	FL60/334-D0111-00BW10-ST000-0000	321360	5.86 kg
	Clear	–	12 ... 27.2 V	FL60/334-D0111-00CW10-ST000-0000	321471	5.86 kg
		110 ... 240 V	133 ... 272 V	FL60/334-P0111-00CW10-ST000-0000	327765	5.97 kg
	Green	–	12 ... 27.2 V	FL60/334-D0111-00GW10-ST000-0000	321472	5.86 kg
	Red	–	12 ... 27.2 V	FL60/334-D0111-00RW10-ST000-0000	322655	5.86 kg
		110 ... 240 V	133 ... 272 V	FL60/334-P0111-00RW10-ST000-0000	326817	-
	Yellow	–	12 ... 27.2 V	FL60/334-D0111-00YW10-ST000-0000	321473	5.86 kg

Selection Table

Lamp Connection chamber version Certificates		5 J xenon flash tubes 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 United Kingdom	Amber	–	12 ... 27.2 V	FL60/324-D0111-00AW30-ST000-0000	312356	5.51 kg
		110 ... 240 V	133 ... 272 V	FL60/324-P0111-00AW30-ST000-0000	322523	5.61 kg
	Blue	–	12 ... 27.2 V	FL60/324-D0111-00BW30-ST000-0000	319349	5.51 kg
		110 ... 240 V	133 ... 272 V	FL60/324-P0111-00BW30-ST000-0000	324130	5.61 kg
	Clear	–	12 ... 27.2 V	FL60/324-D0111-00CW30-ST000-0000	319350	5.51 kg
		110 ... 240 V	133 ... 272 V	FL60/324-P0111-00CW30-ST000-0000	323016	5.61 kg
	Green	–	12 ... 27.2 V	FL60/324-D0111-00GW30-ST000-0000	319401	5.51 kg
		110 ... 240 V	133 ... 272 V	FL60/324-P0111-00GW30-ST000-0000	324129	5.61 kg
	Red	–	12 ... 27.2 V	FL60/324-D0111-00RW30-ST000-0000	312376	5.51 kg
		110 ... 240 V	133 ... 272 V	FL60/324-P0111-00RW30-ST000-0000	322465	5.61 kg
Lamp Connection chamber version Certificates		LED dome light fitting 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 United Kingdom	Blue	–	12 ... 27.2 V	FL60/336-D0801-00BW10-ST000-0000	330631	5.4 kg
	Clear	–	12 ... 27.2 V	FL60/336-D0801-00CW10-ST000-0000	327768	5.92 kg
		110 ... 240 V	133 ... 272 V	FL60/336-P0801-00CW10-ST000-0000	327767	6.02 kg
	Green	–	12 ... 27.2 V	FL60/336-D0801-00GW10-ST000-0000	327761	5.92 kg
	Red	–	12 ... 27.2 V	FL60/336-D0801-00RR10-ST000-0000	323013	5.92 kg
Lamp Connection chamber version Certificates		LED dome light fitting Ex e 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 United Kingdom	Yellow	110 ... 240 V	133 ... 272 V	FL60/326-P0801-00YW30-ST004-0003	344451	5.15 kg

Selection Table

Lamp Connection chamber version Certificates		LED dome light fitting 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 United Kingdom	Amber	–	12 ... 27.2 V	FL60/326-D0801-00AW30-ST000-0000	312357	5.56 kg
		110 ... 240 V	133 ... 272 V	FL60/326-P0801-00AW30-ST000-0000	318586	5.66 kg
	Blue	–	12 ... 27.2 V	FL60/326-D0801-00BW30-ST000-0000	319406	5.56 kg
		110 ... 240 V	133 ... 272 V	FL60/326-P0801-00BW30-ST000-0000	319408	5.66 kg
	Clear	–	12 ... 27.2 V	FL60/326-D0801-00CW30-ST000-0000	318829	5.56 kg
		110 ... 240 V	133 ... 272 V	FL60/326-P0801-00CW30-ST000-0000	319409	5.66 kg
	Green	–	12 ... 27.2 V	FL60/326-D0801-00GW30-ST000-0000	319407	5.56 kg
		110 ... 240 V	133 ... 272 V	FL60/326-P0801-00GW30-ST000-0000	319410	5.66 kg
	Red	–	12 ... 27.2 V	FL60/326-D0801-00RR30-ST000-0000	312372	5.56 kg
		110 ... 240 V	133 ... 272 V	FL60/326-P0801-00RR30-ST000-0000	319421	5.66 kg
	Yellow	–	12 ... 27.2 V	FL60/326-D0801-00YW30-ST000-0000	323202	5.56 kg

Additional gas groups, flash energy, voltage and illuminated section colour variants are available; please use the selection table online at r-stahl.com. MY R. STAHL FL60D

Technical Data

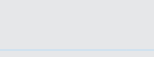
Variant	FL60/326 LED dome light fitting Ex e	FL60/324 5 J xenon flash tubes Ex e	FL60/336 LED dome light fitting Ex d	FL60/334 5 J xenon flash tubes Ex d
Explosion Protection				
IECEX gas explosion protection	Ex db IIC T6 / T4 Gb	Ex db IIC T4 Gb	Ex db IIC T6 / T4 Gb	Ex db IIC T4 Gb
IECEX dust explosion 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	Ex II 2 G Ex db IIC T6 / T4 Gb	Ex II 2 G Ex db IIC T4 Gb	Ex II 2 G Ex db IIC T6 / T4 Gb	Ex II 2 G Ex db IIC T4 Gb
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T80 °C / T100 °C Db	Ex II 2 D Ex tb IIIC T100 °C Db	Ex II 2 D Ex tb IIIC T80 °C / T100 °C Db	Ex II 2 D Ex tb IIIC T100 °C Db
Declaration of conformity	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)
Ambient Conditions				
Storage temperature	-60 °C ... 70 °C	-60 °C ... 70 °C	-60 °C ... 70 °C	-60 °C ... 70 °C
Ambient temperature	-40 °C ... 40 °C (T6) -40 °C ... 70 °C (T4)	-40 °C ... 60 °C (T4)	-40 °C ... 40 °C (T6) -40 °C ... 70 °C (T4)	-40 °C ... 60 °C (T4)
Mechanical Data				
IP degree of protection (IEC 60598)	IP66/67	IP66/67	IP66/67	IP66/67
Enclosure material	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant
Material glass dome	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic	Polycarbonate, prismatic
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
Enclosure colour	red, similar to RAL 3020	red, similar to RAL 3020	red, similar to RAL 3020	red, similar to RAL 3020
Mounting / Installation				
Mounting part material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection type	Push in	Push in	Push in	Push in

Technical Data

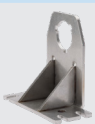
Variant	FL60/326 LED dome light fitting Ex e	FL60/324 5 J xenon flash tubes Ex e	FL60/336 LED dome light fitting Ex d	FL60/334 5 J xenon flash tubes Ex d
Components				
Drilled holes	2 x M20 + 2 x M25	2 x M20 + 2 x M25	2x M20 + 2x 1/2"	2x M20 + 2x 1/2"
Cable glands and entries	1 x M20 Ø 4 ... 13 mm 1 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"
Stopping plug material	Polyamide, black	Polyamide, black	Nickel-plated brass	Nickel-plated brass

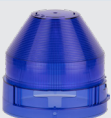
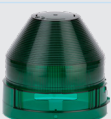
You can find more technical data online at r-stahl.com. MY R. STAHL FL60D

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	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

Spare Parts			
Figure	Description	Art. No.	Weight
Textured lens			
	amber	319273	485 g
	blue	319274	485 g
	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	-

Approvals of the cable glands must be observed.

