



Features

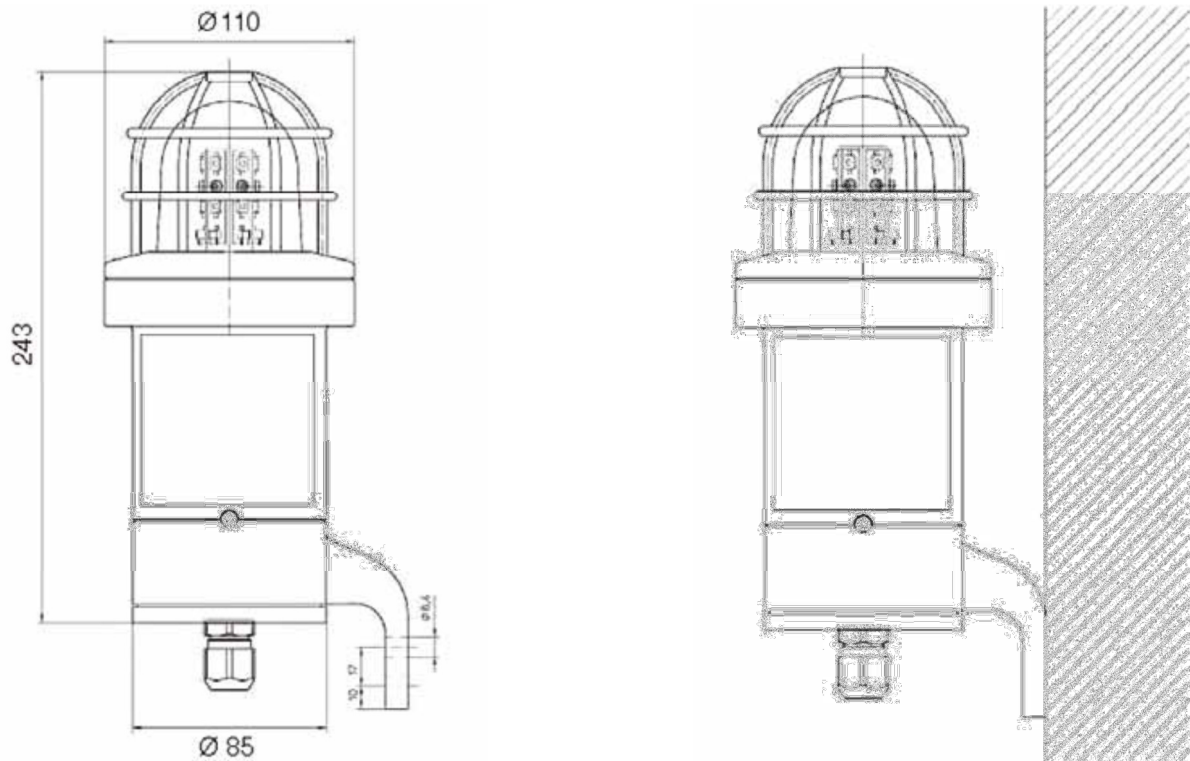
- Robust visual signal beacon with LED technology
- High signalling effect and long life time
- For versatile use in zones 1, 21, 2, 22
- 4 different operating modes selectable:
 - LED steady beacon
 - LED flashing beacon
 - LED strobe beacon
 - LED rotating beacon
- Sturdy aluminium housing
- Hardened glass lens (borosilicate glass)
- Protection case made of stainless steel
- Compact dimensions
- Terminal connection chamber "d" in protection class increased safety „e“
- Available in 5 LED colours:
 - red, clear/white, blue, green, yellow

Approvals

- ATEX certificate: PTB 03 ATEX 1230X
EN 60079-0 : 2009, EN 60079-1 : 2007,
EN 60079-7 : 2007, EN 60079-31 : 2009

Technical data

Type	dSD
Ingress protection	IP66
Temperature range	-55° to +40°C
Light source	LED
Housing, colour	aluminium, surface coated or powder coated (yellow/blue)
Mounting	mounting bracket
Lens	hardened borosilicate glass
Lens colour	amber, red, clear, blue, green
Operation	continuous
Terminal	1,5mm ² fine wire; 2,5mm ² single wire
Cable entry	cable gland M20x1,5 blind plug M20x1,5
Operating modes/ Flashing-/Strobe frequency/Rotations	LED steady light
	LED flashing light - 2Hz
	LED strobe light - 7 times on (55ms) and off (19ms), pause 1s
Insulation class	LED rotating light ~44rpm - 1 segment on ~33rpm - 2 segments on
	I - at 85-265Vac III - at 24Vdc equipotential bonding: screw type with wire protection, external clamping capacity max. 4mm ²
Operating position	any
Operating conditions	in- and outdoor
Weight	~ 2 kg



Nominal currents

Type	Operating mode	Nominal voltage	Nominal current				
			Red	Clear	Blue	Green	Yellow
dSD1	LED steady light	230Vac	0,125A	0,125A	0,160A	0,170A	0,170A
	LED flashing light		0,125A	0,125A	0,160A	0,170A	0,170A
	LED strobe light		1,800A	1,800A	1,210A	1,230A	1,230A
	LED rotating light 1		0,060A	0,060A	0,065A	0,070A	0,070A
	LED rotating light 2		0,070A	0,070A	0,080A	0,085A	0,085A
dSD2	LED steady light	24Vdc	0,550A	0,570A	0,800A	0,850A	0,870A
	LED flashing light		0,550A	0,570A	0,800A	0,850A	0,870A
	LED strobe light		1,200A	1,200A	1,500A	1,500A	1,600A
	LED rotating light 1		0,190A	0,190A	0,250A	0,250A	0,280A
	LED rotating light 2		0,250A	0,250A	0,350A	0,350A	0,380A

Order data

Type	Order nr.	Classification	Denomination	Nominal voltage	Voltage range
dSD1	335 21[c] 313	1	Ex-proof LED signal beacon with protection cage	110-240Vac	85-265Vac
dSD2	335 21[c] 005	1	Ex-proof LED signal beacon with protection cage	24Vdc	+/-20%

¹ Zone 1,2,21,22
II 2G Ex e de IIC T6 Gb
II 2D Ex tb IIIC T95°C T80°C Db
-55°C ≤ Ta. ≤ +40°C

[c] Colour code for lens

2	Red	6	Green
4	Clear	7	Yellow
5	Blue		

