

Visual Flashing Signal - 5 Joule

Series FL40



www.stahl.de



- > Strobe available in 2.5 and 5 Joules
- > IP65 as standard
- > Flame retardant ABS enclosure
- > Lens available in six different colours
- > 360 degree visibility
- > High flash intensity
- > Reliable and simple to install
- > Complements audible alarm system
- > Flush mounting base available
- > Continuously rated



14598E00

Multi-purpose visual signalling device designed for use in industrial applications.

Approvals

Certificates



LISTED 7N39

UL 1638



VdS 2504 (12/96), VdS 2301 (07/01), VdS 2344 (12/05), Cert No. G28714
DIN EN 54, part 3 (10/01)

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WebCode FL40A

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Selection Table

Version	Enclosure colour	Flash energy	Rated operational voltage	Lens colour	Order number	Art. no.	Weight			
							kg			
FL40 Xenon Strobe, standard devices	red normal (RN)	5 Joule	24 V DC	amber	FL40/D50/A/RN	204955	0.260			
				red	FL40/D50/R/RN	204994	0.260			
				green	FL40/D50/G/RN	204984	0.260			
				opal	FL40/D50/O/RN	204989	0.260			
				blue	FL40/D50/B/RN	204969	0.260			
				clear	FL40/D50/C/RN	204976	0.260			
			115 V AC	amber	FL40/L50/A/RN	205012	0.250			
				red	FL40/L50/R/RN	205019	0.250			
				green	FL40/L50/G/RN	212341	0.250			
				opal	FL40/L50/O/RN	212342	0.250			
				blue	FL40/L50/B/RN	212343	0.250			
				clear	FL40/L50/C/RN	212344	0.250			
			230 V AC	amber	FL40/N50/A/RN	205026	0.250			
				red	FL40/N50/R/RN	205047	0.250			
				green	FL40/N50/G/RN	205039	0.250			
				opal	FL40/N50/O/RN	205042	0.250			
				blue	FL40/N50/B/RN	205033	0.250			
				clear	FL40/N50/C/RN	212346	0.250			
			FL40 Xenon Strobe, UL certification	red normal (RN)	5 Joule	24 V DC	amber	FL40/D50/A/RN/UL	205058	0.260
							red	FL40/D50/R/RN/UL	205061	0.260
							green	FL40/D50/G/RN/UL	212347	0.260
opal	FL40/D50/O/RN/UL	212349					0.260			
blue	FL40/D50/B/RN/UL	212350					0.260			
clear	FL40/D50/C/RN/UL	212351					0.260			
115 V AC	amber	FL40/L50/A/RN/UL				205062	0.250			
	red	FL40/L50/R/RN/UL				205064	0.250			
	green	FL40/L50/G/RN/UL				212352	0.250			
	opal	FL40/L50/O/RN/UL				212353	0.250			
	blue	FL40/L50/B/RN/UL				212354	0.250			
	clear	FL40/L50/C/RN/UL				212355	0.250			
230 V AC	amber	FL40/N50/A/RN/UL				205065	0.250			
	red	FL40/N50/R/RN/UL				212356	0.250			
	green	FL40/N50/G/RN/UL				212357	0.250			
	opal	FL40/N50/O/RN/UL				212358	0.250			
	blue	FL40/N50/B/RN/UL				212359	0.250			
	clear	FL40/N50/C/RN/UL				212360	0.250			
FL40 Xenon Strobe, VDS certification	red normal (RN)	5 Joule				24 V DC	amber	FL40/D50/A/RN/VDS	204959	0.260
							red	FL40/D50/R/RN/VDS	205000	0.260
							green	FL40/D50/G/RN/VDS	205439	0.260
			opal	FL40/D50/O/RN/VDS	212361		0.260			
			blue	FL40/D50/B/RN/VDS	204973		0.260			
			clear	FL40/D50/C/RN/VDS	204977		0.260			

Note Other voltages and variants are available. Please contact your local sales office for more details

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Technical Data

Electrical data				
Rated operational voltage	12VDC, 24VDC, 48VDC, 115VAC, 230VAC			
Current consumption	at rated operating voltage	flash energy	light intensity	current consumption
	12 V DC	2.5 J	4.5 cd sec	300 mA
	24 V DC	2.5 ... 5.0 J	4.5 ... 14 cd sec	150 ... 250 mA
	48 V DC	5.0 J	14 cd sec	135 mA
	115 V AC	5.0 J	14 cd sec	130 mA
230 V AC	5.0 J	14 cd sec	70 mA	
Power supply	via on-board terminal block for DC: terminal (+) for +VE and terminal (-) for 0 V for AC: terminal (L) for LIVE and terminal (N) for NEUTRAL caution: high voltages are present within the beacon when operational			
Line monitoring	monitor via reverse polarity			

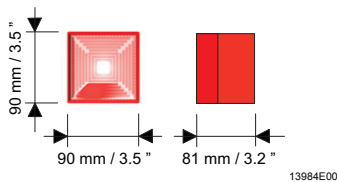
Luminous Characteristics	
Lens colour	amber, red, green, opal, blue, clear
Flash rate	1/s
Flash energy	2.5 or 5.0 J

Ambient conditions	
Operating temperature range	UL: - 35 ... + 66 °C EN 54-3: - 25 ... + 55 °C VdS: - 25 ... + 40 °C
Storage temperature	- 40 ... + 70 °C
Max. relative humidity	90 % at 40 °C

Mechanical data	
Material	
Enclosure	ABS, flame retardant
Lens	polycarbonate plastic, flame retardant
Degree of protection	IP 65 standard on all units

Assembly / Installation	
Assembly	All units are supplied separate from the back box for ease of installation. The back box must be mounted with the two cable entries at the top or bottom. The back box should be mounted to a reasonably flat surface or to a standard wiring box, using any of the internal mounting holes. A gasket is supplied, should the surface be uneven, or if the unit is to be used in wet conditions. To maintain the integrity of the weather seal, the cable must be fitted using a suitable sealed gland. The installation is completed by fitting the beacon onto the back box by means of the supplied screws.

Dimensional Drawings (All Dimensions in mm / inches) - Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

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