Instrinsically Safe LED Visual Flashing or Status Signal
Series FD40IS, SD40IS

13913E00

- > 8 LED array flashing or status beacon
- > High light intensity
- > Long life LED design
- > Available in six different colours
- > Flame retardant ABS enclosure
- > Up to 4 modules in any combination of colours

E5

Visual signal designed for use in hazardous environments. Product series FD40IS is a flashing signal. Product series SD40IS provides a steady signal for status indication.

	ATEX					
Zone	0	1	2	20	21	22
For use in	x	x	x	x	x	x

Explosion Protection	
Europe (ATEX)	
Gas and dust	Baseefa05ATEX0075 Ex II 1G Ex ia IIC T4 Ga Ex II 1D Ex ia IIIC T190°C Da
Certifications and certificates	
Certificates	ATEX, India (PESO)

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Selection Table

Version	Base colour	Rated operational voltage	Lens colour	Order number	Art. no.	Weight kg
Instrinsically Safe LED Visual Flashing Signal FD40IS signal, ATEX certification, standard single module devices	red normal (RN)	16.2 ... 26.4 V	amber	**FD40IS/X/A/RN**	**207067**	0.150
			red	**FD40IS/X/R/RN**	**205111**	0.150
			green	**FD40IS/X/G/RN**	**212407**	0.150
			opal	**FD40IS/X/O/RN**	**212408**	0.150
			blue	**FD40IS/X/B/RN**	**212409**	0.150
			clear	**FD40IS/X/C/RN**	**212410**	0.150
Instrinsically Safe LED Visual Status Signal SD40IS signal, ATEX certification, standard single module devices	red normal (RN)	16.2 ... 26.4 V	amber	**SD40IS/X/A/RN**	**212403**	0.150
			red	**SD40IS/X/R/RN**	**205460**	0.150
			green	**SD40IS/X/G/RN**	**209638**	0.150
			opal	**SD40IS/X/O/RN**	**212404**	0.150
			blue	**SD40IS/X/B/RN**	**212405**	0.150
			clear	**SD40IS/X/C/RN**	**212406**	0.150

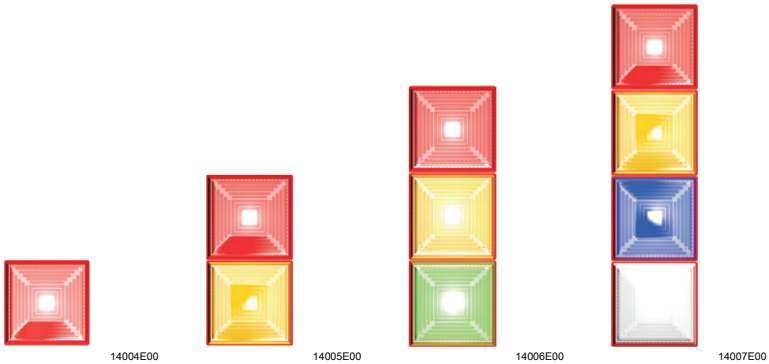
Selection Table

Version	
FD/SD40IS signal, devices according to specification	**Type code:** please fill in lens colour single device double device triple device quadruple device

Ordering code

FD/SD40IS/X/	_	/	**RN**							
FD/SD40IS/2/X/	_	/	_	/	**RN**					
FD/SD40IS/3/X/	_	/	_	/	_	/	**RN**			
FD/SD40IS/4/X/	_	/	_	/	_	/	_	/	**RN**	

lens colour						
= amber	= red	= green	= opal	= blue	= clear	
A	R	G	O	B	C	module (1)
A	R	G	O	B	C	module (2)
A	R	G	O	B	C	module (3)
A	R	G	O	B	C	module (4)

Note	Multiple module units are available. Contact your local sales office for details.
example module combinations	 14004E00 14005E00 14006E00 14007E00 **Single device** **Double device** **Triple device** **Quadruple device**
base colour	red normal (RN)

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Technical Data

Electrical data

Rated operational voltage	16.2 ... 26.4 V
Current consumption	Power supply / Certified barrier / isolator parameters / Current consumption
	24 V DC / 28 V / 300 Ω / 22 mA
	18 V DC*) / 28 V / 300 Ω / 14 mA
	*) Light output reduced
Certified input parameters	U_i = 30 V
	I_i = 200 mA
	P_i = 0.7 W
	C_i = 0
	L_i = 0
Line monitoring	yes

Luminous characteristics

Light source	8 array LED
Flash rate	1/s (FD40IS only)
Lens colour	amber, red, green, opal, blue, clear

Ambient conditions

Operating temperature range	-25 ... +40 °C
Storage temperature	-40 ... +70 °C
Max. relative humidity	90 % at 40 °C

Mechanical data

Cable entries	1 x M20
Material	
Enclosure	ABS, flame retardant
Lens	polycarbonate, flame retardant
Assembly parts	stainless steel fixings
Labels	polyester foil, adhesive
Degree of protection	IP65 acc. to IEC 60529

Mounting / Installation

Mounting	All units are supplied separately from the base for ease of installation. The base should be mounted to a reasonably flat surface or bulkhead. A gasket is supplied, should the surface be uneven, or if the unit is to be used in wet conditions. The installation is completed by fitting the beacon onto the base by means of the supplied screws.
Connection	Each beacon should be wired independently. 2.5 mm² terminals

Accessories and Spare Parts

Designation	Figure	Description	Order number	Art. no.	WebCode
Safety barrier	 02326E00	single channel	**9001/01-280-085-101**	**158351**	9001A
		dual channel	**9002/11-280-186-001**	**158848**	9002A
Galvanic isolator	 12530E00	single channel	**9176/10-15-00s**	**160472**	9176A
		dual channel	**9176/20-15-00s**	**165567**	9176A
Cabel gland	 13027E00	8161/8-M20-1304 4 ... 13 mm²	50 pieces (delivery lot*))	**8161/8-M20-1304**	**239164**	8161A

*) Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the delivery lot.

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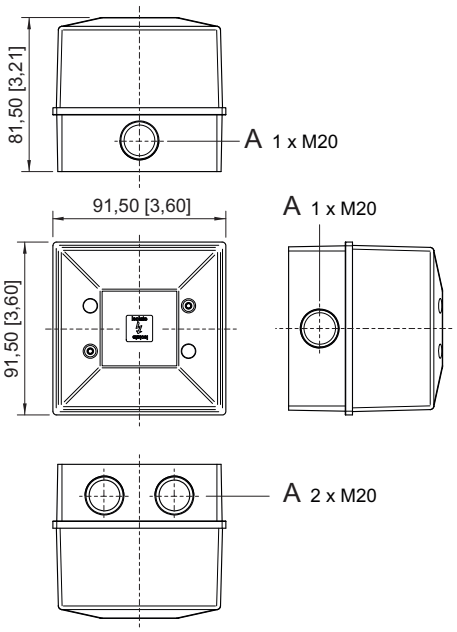
Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations



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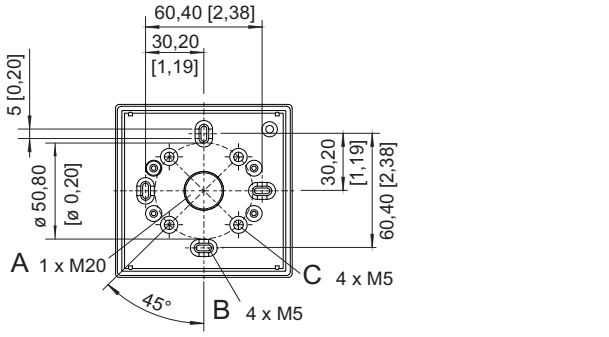

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A = knockout hole
B = drill hole
C = knockout hole

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.