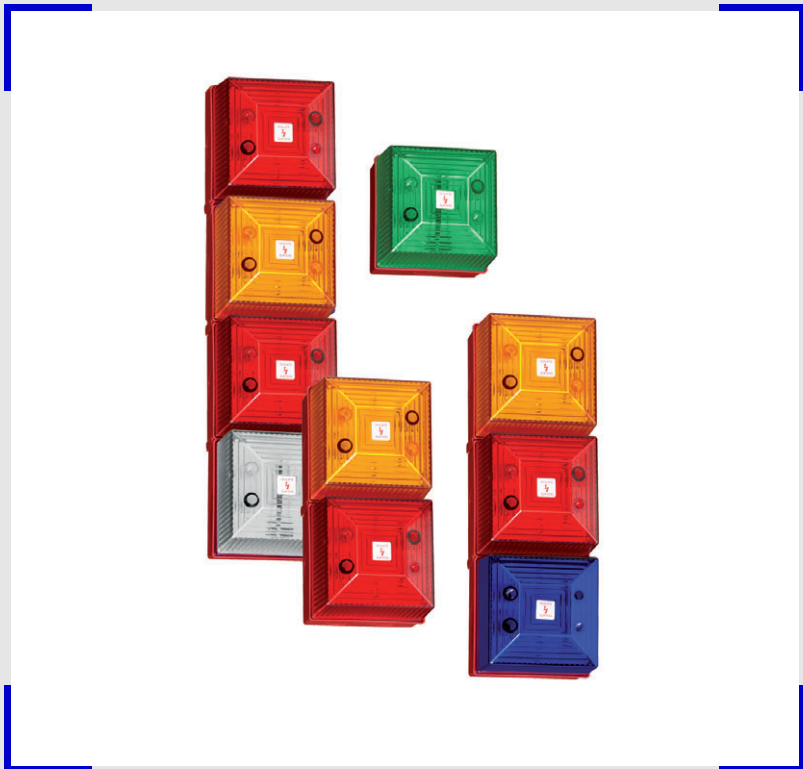


# Intrinsically Safe LED Visual Flashing Signal Series FD40IS



www.stahl.de



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



13913E00

H3

Yodalex range  
Visual signal designed for use in hazardous environments.

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

**Explosion Protection**

**Marking**

Europe (ATEX) | II 1 G Ex ia IIC T4

**Certificates**

Europe (ATEX) | Baseefa05ATEX0075

**WebCode FD40ISA**

# Intrinsically Safe LED Visual Flashing Signal

## Series FD40IS



**Selection Table**

Version	Base colour	Rated operational voltage	Lens colour	Order number	Art. no.	Weight
FD40IS signal, ATEX certification, standard single module devices	red normal (RN)	12, 18 and 24 V DC	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

**Selection Table**

Version	Type code: please fill in lens colour	Ordering code
FD40IS signal, devices according to specification	single device	FD40IS/X/ - / RN
	double device	FD40IS/2/X/ - / - / RN
	triple device	FD40IS/3/X/ - / - / - / RN
	quadruple device	FD40IS/4/X/ - / - / - / - / RN

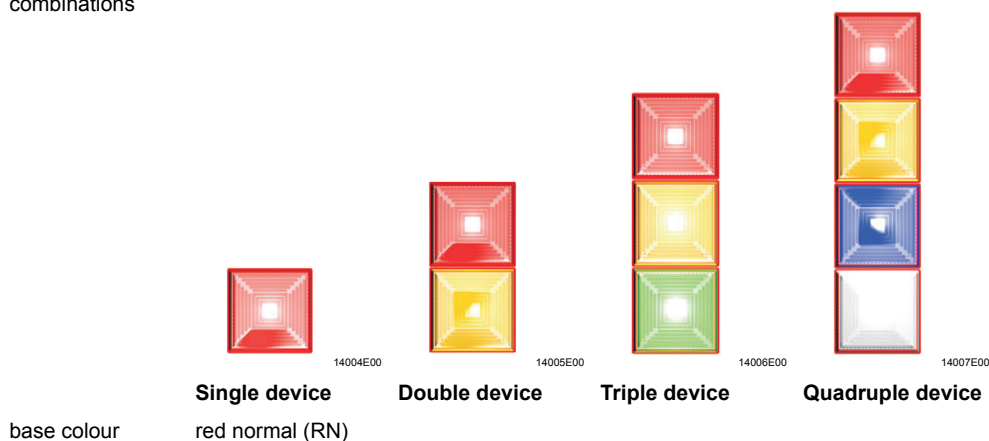
  

lens colour					
= amber	= red	= green	= opal	= blue	= clear
A	R	G	O	B	C
A	R	G	O	B	C
A	R	G	O	B	C
A	R	G	O	B	C

**Note**

Multiple module units are available, please use the table.

example module combinations



# Intrinsically Safe LED Visual Flashing Signal

## Series FD40IS

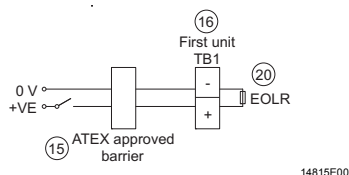


### Technical Data

#### Electrical data

Rated operational voltage	12, 18, 24 V DC via ATEX approved safety barriers
Safety barrier	single channel: 9001/01-280-085-101
	dual channel: 9002/11-280-186-001
Galvanic isolator	single channel: 9176/10-15-00s
	dual channel: 9176/20-15-00s

#### Schematic



#### Legend

- 15 = ATEX approved barrier or galvanic isolator
- 16 = First strobe/beacon
- 20 = End of line resistor

#### Luminous Characteristics

Flash rate	1/s
Colour	amber, red, green, opal, blue, clear

#### Ambient conditions

Ambient temperature	- 20 ... + 40 °C
Storage temperature	- 40 ... + 70 °C
Max. relative humidity	90 % at 40 °C

#### Mechanical data

Material	
Base	ABS, flame retardant
Lens	polycarbonate, flame retardant
Degree of protection	IP65

#### Assembly / 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.
Line monitoring	Monitoring via reverse polarity. End of line resistor minimum 3K3 Ω / 0.5 watts, wire-wound or metal film type.
Connection	Each beacon should be wired independently.

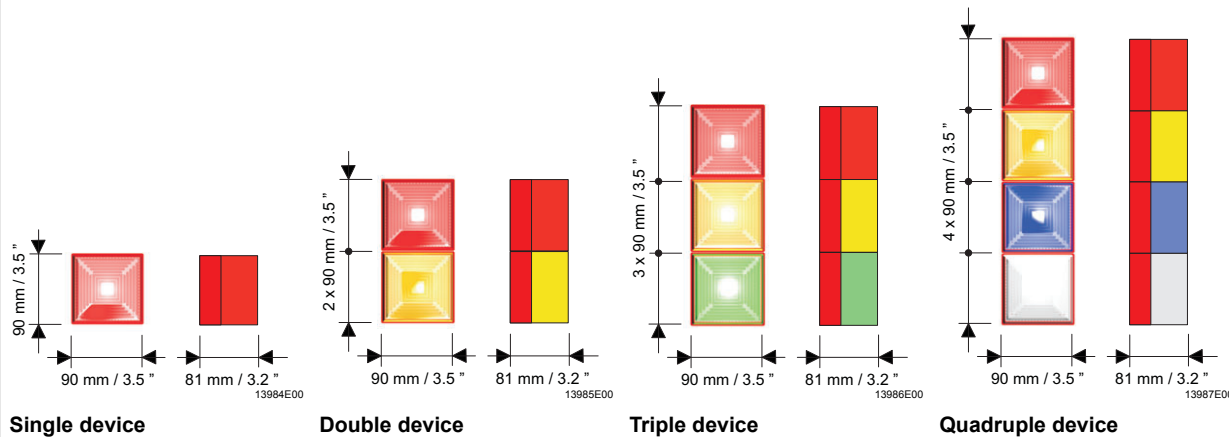
#### Accessories and Spare Parts

Designation	Illustration	Description	Order number	Art. no.	WebCode
Safety barrier		single channel	<b>9001 / 01 - 280 - 085 - 101</b>	<b>158351</b>	9001A
		dual channel	<b>9002 / 11 - 280 - 186 - 001</b>	<b>158848</b>	9002A
Galvanic isolator		single channel	<b>9176 / 10 - 15 - 00s</b>	<b>160472</b>	9176A
		dual channel	<b>9176 / 20 - 15 - 00s</b>	<b>165567</b>	9176A
Cabel gland			<b>8161 / 6 - M20 - 13</b>	<b>138536</b>	8161A

# Intrinsically Safe LED Visual Flashing Signal Series FD40IS



**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.