

UV - Flame Detector

Type: FL (Ex) d 07-T-FB-A

Technical Data:

Dimension

Length:	272 mm	with cable gland
Width:	192 mm	
Height:	180 mm	

Housing material:

AlSi7Mg03

Paint Standard:

RAL 3000

Weight:

ca. 5,00 kg

Type of protection:

IP 66

Viewing Angle:

$\alpha = 90^\circ$

Optics:

65 mm Ø

Fire sensitivity:

EN 54 - 10 class 1

Response sensitivity:

Will be adjusted according to the requirements by the manufacturer.

Marking:



II 2G Ex db IIC T6 Gb
Ta: -40°C - +70°C

EC - Type Examination - Certificate:

TÜV 15 ATEX 163990X

IEC - Type Examination - Certificate:

IECEX TUN 17.0002X

Working Temperature Range:

-40°C - +70°C

Storage Temperature:

-40°C - +125°C

Electrical Data:

Power Supply:

12 VDC - 20% to 24 VDC + 25%
(9,6 VDC to 30 VDC)

Power Consumption

Ready for operation: ca. 3,8 VA

UV-Test: ca. 4,2 VA

Fire alarm: ca. 4,0 VA

Temperature max. shutdown: ca. 1,8 VA

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Field bus:	PROFIBUS DP-V0 (Slave)
Data transmission:	RS 485
Baud rate:	9,6 kbit/s 12 Mbit/s
Topology:	Line, Tree
Nodes per segment:	32
Cable length per segment depends on the baud rate:	1200m at max. 93,75 kbit/s 1000m at 187,5 kbit/s 400m at 500 kbit/s 200m at 1,5 Mbit/s 100m at 12 Mbit/s
Nodes address:	Digit- switch „X“, „Y“(0 - 7F Hex), (0 – 126 Dec)
Bus termination:	Slide switch „S1“ „E“ = End detector (Bus termination) „L“ = Line detector
Cable glands	1 Pcs. M20x1,5 1 Pcs. M20x1,5 or plugs
Housing material:	Nickel-plated, brass
Clamping range:	5,5 - 13 mm Ø for non-armored cable -70°C - +220°C / IP 68 with gasket on thread

Marking:



Ex db IIC

Connection terminals:

Push-in direct plug-in method for solid or flexible wire with ferrule.
 When connecting stranded wires without ferrules, the terminal point is opened via a standard screwdriver.

Wire cross section solid:	min. 0,2 mm ² Stripping length 10 mm
Wire cross section solid:	max. 4,0 mm ² Stripping length 10 mm
Wire cross section stranded:	min. 0,2 mm ² Stripping length 10 mm
Wire cross section stranded:	max. 2,5 mm ² Stripping length 10 mm
Wire cross section stranded, with ferrule without plastic sleeve:	min. 0,25 mm ² Stripping length 8 mm
Wire cross section stranded, with ferrule without plastic sleeve:	max. 2,5 mm ² Stripping length 8 mm
Wire cross section stranded, with ferrule with plastic sleeve:	min. 0,25 mm ² Stripping length 8 mm
Wire cross section stranded, with ferrule with plastic sleeve:	max. 1,5 mm ² Stripping length 8 mm

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Datum/Date

16.02.17

Version

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