Industrial detectors
Thermal detection - UniVario High temperature heat detector FS Flex

WMX5000 FS Flex 400°C (752 °F)

Part no.: 906176

The WMX5000 FS high temperature heat detectors have been specially designed for operation in industrial environments with aggressive media and very high application temperatures in the monitoring area.
For example in exhaust ducts, engine test stands or machine tools. In addition to fixed temperature detection, rapid rises in temperature can also be registered by the rate-of-rise method, for early fire detection. Designed for operation as a conventional detector. Expansion to a detector with Loop AP protocol via KMX5000 AP communication module.

Product features

- Robust flexible stainless steel heat sensor
- Freely configurable response temperatures and categories in accordance with EN 54-5, along with rate-of-rise and static responses. Configuration via DIP switches on the detector
- Service interface, history memory
- Connection of remote indicator possible

Optional accessories

Remote indicator	908499
KMX5000 AP communication module	905883
Relay module KMX5000 RK	906361
Silicone-free design	

Not included in delivery

UniVario base	
Holder WMX FS, from	
250 °C (482 °F) to 600 °C (1112 °F)	894679
Terminating resistor 1.8 K / 0.5 W	675235

Technical specifications

Detection method	PT1000 sensor
Response categories	A1, A2, B, C, D, E, F, G, indices S, R
Response temperatures	0 °C to +400 °C (+32 °F to +752 °F)
Operating voltage	7.6 V - 30 V DC
Quiescent current	approx. 0.25 mA
Alarm current consumption	approx. 15 mA
Alarm indication	1 red LED
Normal operation indication	1 green LED, flashing
Fault indication current	approx. 15 mA
Fault indication	1 yellow LED (2nd line)
Operating temperature	-40 °C to +80 °C (-40 °F to +176 °F)
IP rating (EN 60529)	IP 66/67
Enclosure material	Diecast aluminum
Relative humidity	max. 95% no condensation
Specification according to	EN 54-5
Weight: 2000 mm 6000 mm 9000 mm	1536 g (3.39 lbs) 2315 g (5.10 lbs) 2665 g (5.88 lbs)
Dimensions	130 x 2000 - 130 x 9000 mm (dia.xH) 5.1 x 78.7 - 5.1 x 354.3 inch (dia.xH)

Connection / mounting

Connection cable standard detector	2-wire
Additional fault line connection	2-wire
Remote indication	2-wire
Recommended cable	JY (St) Y 2x2x0.8 mm (0.03 inch)
Conductor cross-section	max. 2.5 mm^2 (AWG 13)

Note

Deviating from the defined standard lengths, the flexible sensor rod can be ordered in lengths of 500 to 9000 mm, see ordering table page 2/2. The sensor rod holder is designed for application temperatures of up to 250 °C (482 °F).
In case of higher application temperatures, the holder WMX FS from 250 °C (482 °F) to 600°C (1112 °F), part no. 804679, is to be used.

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Brand	Designation	flex. Sensor rod** length (mm)	Order no.	Approvals / marking
Minimax	WMX5000 FS Flex L2000 MX	2000	906404	VdS G 207091 CE 0786-CPR-20281 FM APPROVED
	WMX5000 FS Flex L2000 MX SF*		927975	
	WMX5000 FS Flex L6000 MX	6000	906405	
	WMX5000 FS Flex L6000 MX SF*		927978	
	WMX5000 FS Flex L9000 MX	9000	906406	
	WMX5000 FS Flex L9000 MX SF*		927981	
Viking	WMX5000 FS Flex L2000 VK	2000	927976	VdS G 221019 CE 0786-CPR-21767 FM APPROVED
	WMX5000 FS Flex L2000 VK SF*		927977	
	WMX5000 FS Flex L6000 VK	6000	927979	
	WMX5000 FS Flex L6000 VK SF*		927980	
	WMX5000 FS Flex L9000 VK	9000	927982	
	WMX5000 FS Flex L9000 VK SF*		927983	

* silicone-free
** Order from 500 - 9000 mm length possible. Length specification in mm required.

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Viking GmbH | Industriestr. 10/12 | D-23840 Bad Oldesloe | www.viking-emea.com

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