

Индуктивные датчики IS-250-M12, IS-250-M18, IS-250-M32, ISA-10-BA2

Технические характеристики

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Inductive High-Temperature Sensors Series - 250

Housing M 12 x 1 with sealing screw

- For connection to the evaluation unit ISA-....-Y10-M12
- Housing material: PEEK
- For an ambient temperature of max. 250 °C

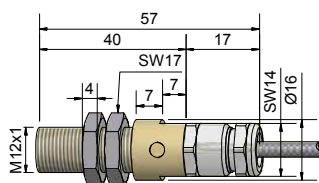
Certificate:



Technical data

Non-flush mountable

Operating distance S_n	4 mm
Sensing distance adjustable at the evaluation unit	-
Type	IS-250-M12-PEEK-250C-Z02-0
Art.-No.	IA 0117
Permitted ambient temperature	-70...+250 °C
Degree of protection IEC 60529	IP 68
Norm	EN 60947-5-2
Connection cable for connection to inductive evaluation units ISA-.... with plug-in connector	2 m PTFE with VA screen grid lead 2 x 0.22 AWG
Housing material	PEEK (FDA 21 CFR 177.2415)
Active surface	PEEK (FDA 21 CFR 177.2415)





Inductive High-Temperature Sensors Series - 250

Housing M 18 x 1 with sealing screw

- For connection to the evaluation unit ISA-...-Y10-M18
- Housing material: PEEK
- For an ambient temperature of max. 250 °C

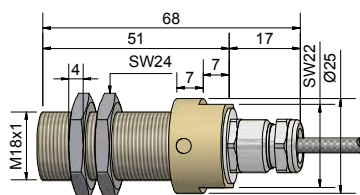
Certificate:



Technical data

Non-flush mountable

Operating distance S_n	8 mm
Sensing distance adjustable at the evaluation unit	-
Type	IS-250-M18-PEEK-250C-Z02-0
Art.-No.	IA 0118
Permitted ambient temperature	-70...+250 °C
Degree of protection IEC 60529	IP 68
Norm	EN 60947-5-2
Connection cable for connection to inductive evaluation units ISA-.... with plug-in connector	2 m PTFE with VA screen grid lead 2 x 0.22 AWG
Housing material	PEEK (FDA 21 CFR 177.2415)
Active surface	PEEK (FDA 21 CFR 177.2415)





Inductive High-Temperature Sensors Series - 250

Housing M 32 x 1.5

- For connection to the evaluation unit ISA-...-Y10-M30/M32
- Housing material: PEEK
- For an ambient temperature of max. 250 °C

Certificate:



Technical data

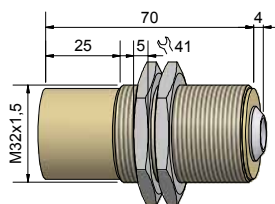
Non-flush mountable

Operating distance S_n	15 mm
Sensing distance adjustable at the evaluation unit	-
Type	IS-250-M32-PEEK-250C-Y20-0
Art.-No.	IA 0122
Permitted ambient temperature	-70...+250 °C
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection for inductive evaluation units ISA-...	Connector
Housing material	PEEK (FDA 21 CFR 177.2415)
Active surface	PEEK (FDA 21 CFR 177.2415)

Connection cable is not delivered with the probe (see page 94).

Order specifications:

- 2 m PTFE-cable with VA screen grid lead and connectors Art. No. 193312
- 5 m PTFE-cable with VA screen grid lead and connectors Art. No. 193313
- 10 m PTFE-cable with VA screen grid lead and connectors Art. No. 193314





Inductive High-Temperature Sensors Series - 250

Housing M 32 x 1.5

- For connection to the evaluation unit ISA-...-Y10-M30/M32
- Housing material: PEEK / VA
- For an ambient temperature of max. 250 °C

Certificate:



Technical data

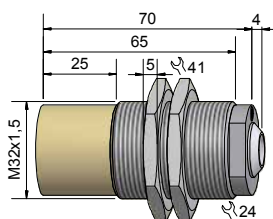
Non-flush mountable

Operating distance S_n	15 mm
Sensing distance adjustable at the evaluation unit	-
Type	IS-250-M32-PEEK/VAb-250C-Y20-0
Art.-No.	IA 0124
Permitted ambient temperature	-70...+250 °C
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection for inductive evaluation units ISA-...	Connector
Housing material	VA No. 1.4305
Active surface	PEEK (FDA 21 CFR 177.2415)

Connection cable is not delivered with the probe (see page 94).

Order specifications:

- 2 m PTFE-cable with VA screen grid lead and connectors Art. No. 193312
- 5 m PTFE-cable with VA screen grid lead and connectors Art. No. 193313
- 10 m PTFE-cable with VA screen grid lead and connectors Art. No. 193314





Evaluation Unit For Inductive High-Temperature Sensors Series - 250 • PNP

Housing 98.5 x 64 x 34.5 mm

- For connection to inductive high-temperature sensors IS-250-...
- Housing material: Aluminium

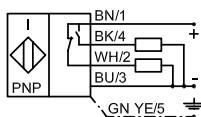
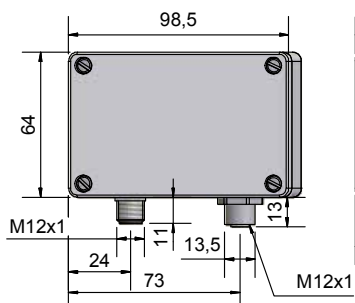
Certificate:



Technical data

Electrical version	5-pin DC	5-pin DC	5-pin DC
Output	Antivalent (NO + NC)	Antivalent (NO + NC)	Antivalent (NO + NC)
Type PNP	ISA-10-BA2-A-AL-122-Y10-1-E for 2 m*	ISA-10-BA2-A-AL-182-Y10-1-E	ISA-10-BA2-A-AL-322-Y10-1-E
Art.-No.	IA 0133	IA 0132	IA 0130
Type PNP		ISA-10-BA2-A-AL-185-Y10-1-E	ISA-10-BA2-A-AL-325-Y10-1-E
Art. No.		IA 0209	IA 0207
Type PNP			ISA-10-BA2-A-AL-3210-Y10-1-E
Art. No.			IA 0208
Operating voltage (U _B)	10...35 V DC	10...35 V DC	10...35 V DC
Output current max. (I _O)	2 x 250 mA	2 x 250 mA	2 x 250 mA
Voltage drop max. (U _d)	≤ 2.5 V	≤ 2.5 V	≤ 2.5 V
Permitted residual ripple max.	10 %	10 %	10 %
No-load current (I ₀)	Typ. 15 mA	Typ. 15 mA	Typ. 15 mA
Frequency of operating cycles max.	50 Hz	50 Hz	50 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C	-25...+70 °C
Protective circuit	Built-in	Built-in	Built-in
Degree of protection IEC 60529	IP 67	IP 67	IP 67
Norm	EN 60 947-5-2	EN 60 947-5-2	EN 60 947-5-2
Connection	Connector M 12 x 1	Connector M 12 x 1	Connector M 12 x 1
Housing material	AL	AL	AL

*Connection cable between high-temperature sensor and evaluation unit



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