# Intrinsically safe sensors for zone 0/20 | IGEXPa 04

- Intrinsically safe sensors for zone 0/20
- With ATEX- and IECEx-certification
- Amplifier IKMb... is required for operation
- For use under rough climatic conditions down to -60 °C
- Connection: 2 m FEP-cable
- Waterproof up to 30 m (IP 68) and resistant to high-pressure cleaning (IP 69)
- For use in refrigeration systems and cooling processes and outdoor areas



## M12x1 - sn 4 mm non flush

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|---|---|
| **TYPE** | IGEXPa 04 |
| **Product ID** | P31407 |
| **Thread/sleeve** | M12x1 |
| **Operating Distance sn** | 4 mm non-flush |
| **Ex area uf use** | Zone 0, Zone 1, Zone 20, Zone 21 |
| **ATEX Certificate** | EPS 17 ATEX 1 173 X |
| **IECEx Certificate** | IECEx EPS 17.0087X |
| **UKEX Certificate** | EPS 22 UKEX 1 139 X |
| **ATEX marking gas** | Ex II 1G Ex ia IIC T6...T3 Ga |
| **ATEX Marking dust** | Ex II 1D Ex ia IIIC $T_{200}$65°C Da |
| **IECEx marking gas** | Ex ia IIC T6...T3 Ga |
| **IECEx marking dust** | Ex ia IIIC $T_{200}$65°C Da |
| **Ambient temperature gas zone 0 T6** | -60 °C ... 60 °C |
| **Ambient temperature gas zone 0 T5** | -60 °C ... 60 °C |
| **Ambient temperature gas zone 0 T4** | -60 °C ... 60 °C |
| **Ambient temperature gas zone 0 T3** | -60 °C ... 60 °C |
| **Ambient temperature dust in zone 20** | -60 °C ... 60 °C |

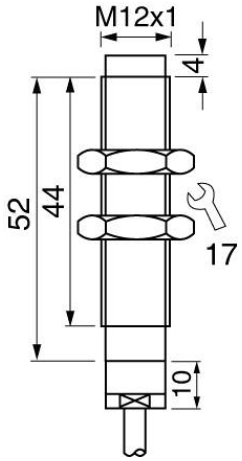


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|---|---|
| **Maximum values** | Ui = 12.6 V / Ii =15.9 mA / Pi = 50 mW / Ci = 66.2 nF / Li = 1.2 mH |
| **Material housing** | stainless steel AISI 316 Ti, PTFE, PVDF |
| **Protection [EN 60529]** | IP 68 (3 bar), IP 69 |
| **Electrical connection** | 2 m FEP-cable 2x0.34 mm² |
| **Note** | with longer cable available on request |

Technical Image




Pin Map

