




Model Number

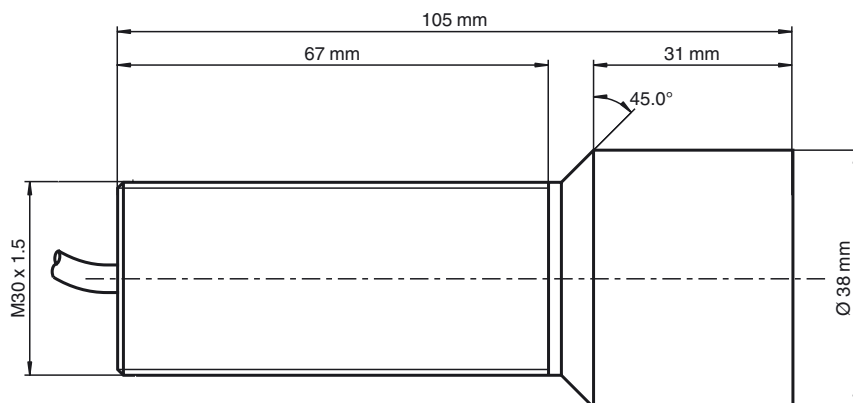
IQH1-30GM105-EXD dS64M-1038

Read/write head  for IDENTControl

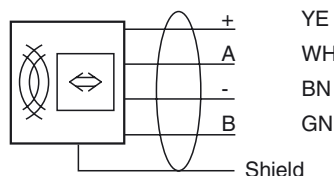
Features

- Read/write head with thread M30 x 1.5
- Flameproof enclosure
- ATEX-approval for zone 1 and zone 21
- Protection degree IP68
- 15 m connection cable

Dimensions



Connection



Technical Data



General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Operating distance	maximum: 9 mm
UL File Number	E87056

Functional safety related parameters

MTTF _d	640 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

Electrical specifications

Power consumption	P ₀ ≤ 1.8 W
Type of protection	 II 2G EEx d IIC T6/T5  II 2D EEx tD A21 IP68 T80°C/95°C
Supply	from the IDENTControl

Ambient conditions

Ambient temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 50 °C (-4 ... 122 °F)

Mechanical specifications

Protection degree	IP68
Connection	15 m connecting cable included with delivery Connection e.g. with terminal boxes Series GL5

Material

Housing	Stainless steel 1.4404 / AISI 316L
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Installation

Distance between two heads	Multiplex on: ≥ 155 mm Multiplex off: ≥ 350 mm
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Mass

	approx. 2000 g
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Compliance with standards and directives

Directive conformity

ATEX Directive 94/9/EC	EN 60079-0:2006, EN 60079-1:2004, EN 61241-0:2006, EN 61241-1:2004
R&TTE Directive 1995/5/EC	EN 301489-1:2008, EN 301489-3:2002, EN 300330-2:2006, EN 60950-1:2006

Standard conformity

Electromagnetic compatibility	EN 61326-1:2006
Protection degree	EN 60529:2000
Standards	EN 60079-0:2009, EN 60079-1:2007, EN 61241-0:2007, EN 61241-1:2005, EN 60950-1:2006



ATEX 2G

Instruction	Manual electrical apparatus for hazardous areas
Device category 2G	for use in hazardous areas with gas, vapour and mist
EC-Type Examination Certificate	PTB 03 ATEX 1130
CE marking	C € 0044
ATEX marking	Ⓔ II 2G Ex d IIC T6/T5
Directive conformity	94/9/EG
Standards	EN 60079-0:2006, EN 60079-1:2004, EN 61241-0:2006, EN 61241-1:2004 Flameproof enclosure ignition protection class Use is restricted to the following stated conditions
Appropriate type	dS64 M-1038
General	The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The EC-Type Examination Certificate has to be observed. The special conditions must be adhered to! Directive 94/9/EG and hence also EC-Type Examination Certificates apply in general only to the use of electrical apparatus under atmospheric conditions. If the equipment is not used under atmospheric conditions, a reduction of the permissible minimum ignition energies may have to be taken into consideration.
Ambient temperature	The temperature ranges, according to temperature class, are given in the EC-Type Examination Certificate.
Installation, Commissioning	Laws and/or regulations and standards governing the use or intended usage goal must be observed. The connection cable on the compact device, controller, and control unit must be securely fastened and sufficiently protected from mechanical damage. Select a connection cable that is able to meet the thermal requirements of the relevant area of application. Equipotential bonding and grounding is guaranteed by connecting the compact device, controller, and control unit to the overall installation.
Maintenance	No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible.
Specific conditions	none

ATEX 2D

Instruction

Device category 2D

EC-Type Examination Certificate

CE marking

ATEX marking

Directive conformity

Standards

Appropriate type

General

Ambient temperature

Installation, Commissioning

Maintenance

Specific conditions**Manual electrical apparatus for hazardous areas**

for use in hazardous areas with combustible dust

PTB 03 ATEX 1130

CE 0044

Ex II 2D Ex tD A21 IP68 T 80°C/95°C

94/9/EG

EN 60079-0:2006, EN 60079-1:2004, EN 61241-0:2006, EN 61241-1:2004

Flameproof enclosure ignition protection class

Use is restricted to the following stated conditions

dS64 M-1038

The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The EC-Type Examination Certificate has to be observed. The special conditions must be adhered to!

Directive 94/9/EG and hence also EC-Type Examination Certificates apply in general only to the use of electrical apparatus under atmospheric conditions.

If the equipment is not used under atmospheric conditions, a reduction of the permissible minimum ignition energies may have to be taken into consideration.

The temperature ranges, according to temperature class, are given in the EC-Type Examination Certificate.

Laws and/or regulations and standards governing the use or intended usage goal must be observed. The connection cable on the compact device, controller, and control unit must be securely fastened and sufficiently protected from mechanical damage. Select a connection cable that is able to meet the thermal requirements of the relevant area of application. Equipotential bonding and grounding is guaranteed by connecting the compact device, controller, and control unit to the overall installation.

No modifications must be undertaken on apparatus, which is operated in hazardous areas. Repairs to such apparatus are not permissible.

none