ComEx Lamp module Ex i with terminals for rail-mounted installation

- One module for all intrinsically safe application areas
- Long service life
- Excellent luminosity

The ComEx Ex i lamp module indicates command modes by means of a light signal lighting up or going out. It is suitable for use in almost all hazardous (potentially explosive) areas in which a visual indication of a machine’s functional status is required. The lamp modules are designed to conform to the requirements of the "e increased safety", "d flameproof enclosure" and "i intrinsic safety types of protection". They may be activated by intrinsically safe circuits. The lamp module can be combined with various lamp module actuators. Each lamp module actuator is fitted into a mounting hole in a control console or a control panel. The respective lamp module is intended for fitting onto a mounting rail. Conductors are connected using terminals with increased safety on the back of the module. The lamp module actuators can be fitted easily, without the use of tools, which ensures conformance to the high IP degree of protection.

Explosion protection

Marking ATEX

\[\text{II 2G Ex db eb IIC Gb} \]
\[\text{I M2 Ex db eb ia I Mb} \]

Certification

CML 17 ATEX 1106 U

Marking IECEx

Ex db eb IIC Gb
Ex db eb I Mb

Certification

IECEx CML 17.0046U

Other approvals and certificates, see www.bartec.de

Ambient temperature -55 °C to +60 °C

Technical data

Protection class determined by the actuating element and control unit enclosure, min. IP 66, terminals IP 20

Rated operating voltage (U_r) AC/DC 10 to 30 V

Frequency range with AC supply 30 to 100 Hz

Power consumption \(< 0.5 \text{ W}\)

Lamp LED, red, green, yellow, white, blue

Illumination very bright, visible angle over 180°

Enclosure material thermoplastic

Type of connection terminals 2.5 mm², fine-stranded

Service life \(>10^6\) running hours

Storage and transport temperature -55 °C to +70 °C

Weight approx. 90 g

Fastening onto TS 35 x 7.5 mounting rail

Shock resistance DIN EN/IEC 60068-2-27, 30 g, 18 ms
DIN EN/IEC 60068-2-6, 4 g, 1.6 mm

Intrinsically safe parameters

Input voltage (U_i) 30 V

Input current (I_i) 150 mA

Input power (P_i) 1 W

Inductance (L) negligible

Capacitance (C) negligible

Explosion protection

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\[\text{I M2 Ex db eb ia I Mb} \]

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