

6 DXE 705

Digital Explosion-proof Intercom Station



Features and Functions

- For use in explosive (hazardous) areas of Ex zone 1 and 2
- Degree of protection IP66
- 3 momentary rocker switches
- Connector for one handset, headset, or foot switch
- Visual call or busy status via LED
- Adjustable speaker volume and microphone sensitivity
- Potential-free relay contact

The digital explosion-proof (hazardous area) intercom stations of the 6 DXE 705 series are part of the INDUSTRONIC communication and public address system with digital interfaces. They are especially designed for the use in explosive (hazardous) areas of Ex zone 1 and 2.

The intercom stations can be expanded by external components. An optional 25-W booster amplifier enables the use of an external speaker. Based on project or specification needs, you can connect a flashing warning beacon and/or a foot switch. Furthermore, you can either connect a headset or a handset.

Certificates:

PTB 19 ATEX 2005 X

IECEX PTB 19.0026X

Marking:



Ex db eb ib [ib] IIC T4 Gb

Accessories Available

- Flashing warning beacon
- Handset
- Headset
- Foot switch
- Acoustic hood
- Free-standing mounting post

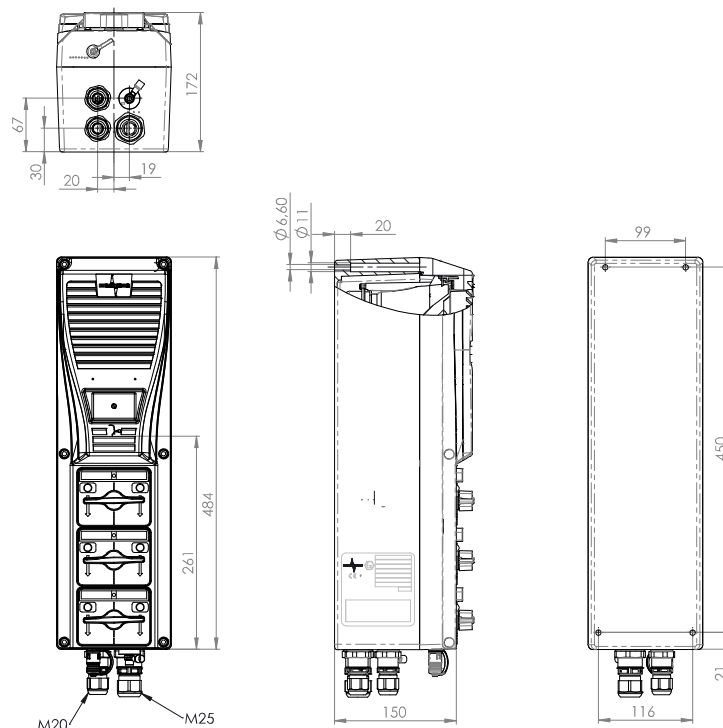


Fig. 1: Dimensional drawing 6 DXE 705

Mechanical Data

• Width x height x depth	141 mm x 484 mm x 172 mm (5.55" x 19.06" x 6.77")
• Cable glands	2 x M20 (cable diameter: 4 mm to 13 mm (0.16" to 0.51")) 1 x M25 (cable diameter: 7 mm to 17 mm (0.28" to 0.67"))
• Weight	Approx. 7 kg (approx. 15.43 lbs)
• Color	RAL 2004 (Pure Orange)

Electrical Data Intercom Station	• Operating voltage range	42 VDC to 72 VDC
	• Quiescent consumption	20 mA
	• Max. current consumption	80 mA
	• Sound pressure level (distance of 30 cm (1 ft))	106 dB
	• Frequency range	200 Hz to 7,000 Hz
	• Speaker	15 W / 8 Ohms
	• Relay contact	1 A, 90 VDC, 30 W (resistive load) 0.3 A, 90 VDC (any type of load)

Electrical Data Booster Amplifier 25 DVX 03	• Operating voltage range	42 VDC to 72 VDC
	• Quiescent consumption	60 mA
	• Max. current consumption	850 mA
	• Output power	25 W / 400 Ohms

Environmental Requirements and Standards	• Ambient temperature during operation	-20 °C to +55 °C (-4 °F to +131 °F)
	• Relative humidity (non-condensing)	Max. 95 %
	• Degree of protection	IP66
	• Max. ambient noise level	100 dB
	• EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4
	• Certificates	PTB 19 ATEX 2005 X IECEX PTB 19.0026X
	• Equipment category	Ex II 2G
	• Marking	Ex db eb ib [ib] IIC T4 Gb

Type Overview	No. Rocker Switches	Booster Amplifier 25 DVX 03	Type	Type Number
	3	-	6 DXE 705	301-651-600
		x	6 DXE 705/25	301-651-600/25

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