Explosion protection to
-CENELEC
-IEC
-NEC
Can be used in
Zone 2
Zone 21 and Zone 22
Class I, Zone 2
Class I, Division 2, Groups A , B, C, D
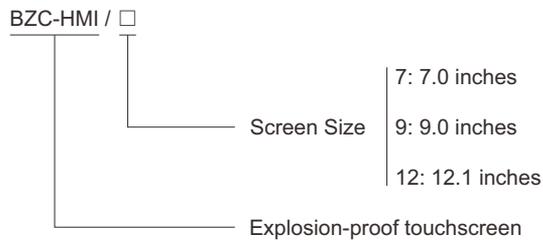Stainless steel enclosure.
Three types of enclosure.
The explosion-proof touchscreen is a human-machine interaction device specifically designed for hazardous locations.
With high-definition display capabilities, it makes images and text clearly visible, allowing operators to accurately gather information.
Featuring rapid response and high touch precision, it offers a smooth operation experience, enhancing work efficiency.
It supports various interface types, facilitating connection and integration with other devices, achieving inter-connectivity of systems.

Catalogue number logic

BZC-HMI / ☐

		7: 7.0 inches
	Screen Size	9: 9.0 inches
		12: 12.1 inches
Explosion-proof touchscreen		

Zones 2; 21&22

Control Stations
BZC-HMI Series Explosion-proof Touchscreen

Technical data

Explosion-proof Touchscreen   BZC-HMI□

Explosion protection	
Global (IECEx)	IECEx (applied for)
Gas and dust	Ex db eb nA IIC T6 Gc
	Ex tb IIIC T80 Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	⟨Ex⟩ II 3 G Ex db eb nA IIC T6 Gc
	⟨Ex⟩ II 2 D Ex tb IIIC T80 Db
Certificates	IECEx; ATEX
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31
Enclosure material	Stainless steel
Enclosure colour	Metal colour
Exposed fastener	Stainless steel

Screen Size	7. 0 inches	9. 0 inches	12.1 inches
Resolution	800×480	800×480	1280×800

Rated voltage	24V DC
Degree of protection	IP65
Internal&external earthing	M6/M6
Ambient temperature	-0 ~+50
Cable entries	M□ x 1.5 plug
Cable gland (optional)	DQM-I (Ex e) is recommended. Please see P7/19~21
Mounting	Surface type
Note	Please specify the number and size of entries (applicable for surface type only);

Dimension drawings (all dimensions in mm) - subject to alteration

BZC-HMI/7

BZC-HMI/9

BZC-HMI/12