

Components for BZC8050 Control Stations

BB8050 Series Explosion-proof Ammeters/Voltmeters

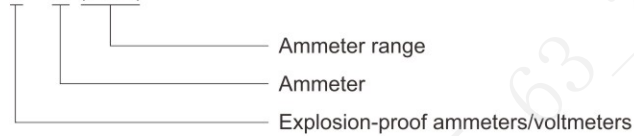
- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Fast comparison of measurement with set values
- ◆ Versions available
 - Ammeter (type 72)
 - Voltmeter (type 72)



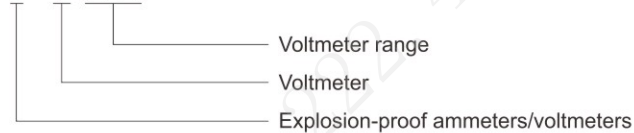
■ Catalogue number logic

BB8050(B for short)

B - A (□-□)



B - V (□-□)




Zones 1&2; 21&22


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Selection table

Version	Description	Overload scale	Measuring range	Ordering code	Weight (kg)
Ammeter BB8050-A(□-□) 	Direct measuring	-	0~20/40 mA	40121	0.20
			4~20/40 mA	40122	
	Direct measuring	-	0~1 A	40123	
			0~5 A	40124	
	For CT (current transformer)	2 times or 5 times	sec. 1 A	40125	
			sec. 5 A	40126	

Selection table

Version	Description	Measuring range	Ordering code	Weight (kg)
Voltmeter BB8050-V(□-□) 	Direct measuring	0~10 V	40127	0.20
		0~25 V	40128	
		0~40 V	40129	
		0~60 V	40130	
		0~100 V	40131	
		0~150 V	40132	
		0~250 V	40133	
		0~300 V	40134	
		0~450 V	40135	
		0~500 V	40136	
		0~600 V	40137	
	For PT (potential transformer)	sec. 100 V	40138	
		sec. 110 V	40139	
		sec. 120 V	40140	

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BB8050 Series Explosion-proof Ammeters/Voltmeters

Technical data

Explosion-proof ammeters/voltmeters BB8050

	Ammeter	Voltmeter
Explosion protection		
Global (IECEX)	IECEX TPS 22.0022U	IECEX TPS 22.0022U
Gas	Ex eb IIC Gb	Ex eb mb IIC Gb
Europe (ATEX)	TPS 22 ATEX 089761 0023U	TPS 22 ATEX 089761 0023U
Gas	⊕ II 2 G Ex eb IIC Gb	⊕ II 2 G Ex eb mb IIC Gb
Certificates	IECEX; ATEX; CU-TR	IECEX; ATEX; CU-TR
Conformity to standards	EN 60079-0, EN 60079-7 IEC 60079-0, IEC 60079-7	EN 60079-0, EN 60079-7, EN 60079-18 IEC 60079-0, IEC 60079-7, IEC 60079-18
Enclosure material	Flame retardant plastic	Flame retardant plastic
Insulation voltage	/ DC available	0~600V DC available
Working mode	Electromagnetic type (moving iron)	Electromagnetic type (moving iron)
Accuracy	Class 1.5	Class 1.5
Overload times	5 times	
Service temperature	-60°C~+80°C	-60°C~+80°C
Cable connection	2.5mm ²	2.5mm ²
Size	72×72mm	72×72mm

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

