

## Application

ECB circuit breaker suitable for

- for zone 1, 2 and 21, 22 hazardous areas.
- Short circuit and overcurrent protection of service entrance, feeder, branch circuit, lighting or motor circuit and serve as a disconnection mean.
- installed in potentially explosive atmospheres, in wet or corrosive location.

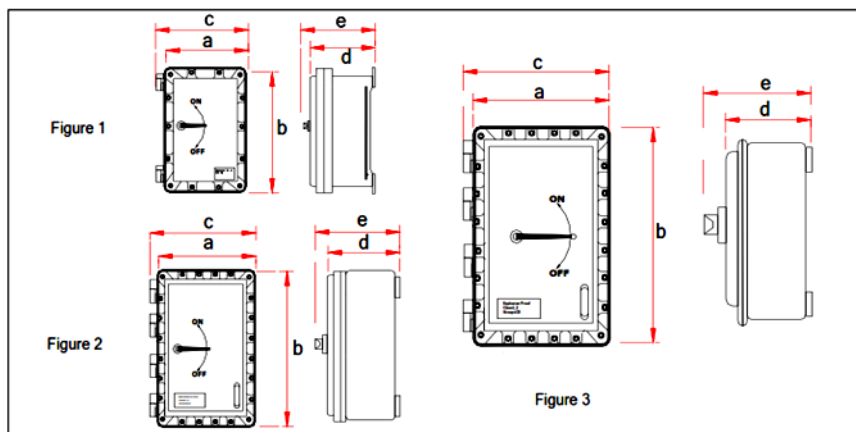
## Technical data:

Explosion Protection	: Ex d IIB T4/T6
Conforming to	: Standards IEC 60079-0/1 or UL 60079-1
Marking for test	: Ex II2G
Degree of Protection	: IP54/65 acc. To IEC 60529
Ambient Temp. (Ta)	: -20°C to + 55°C
Protection class for UL.	: Class I, Division 1 or 2 Group. C,D Class II, Division 1 or 2 Groups. E,F,G Class III
Protection class for IEC	: Zone 1, 21 and Zone 2, 22



## Specification:

Body and cover	: Marine grade copper-free aluminum alloy with epoxy-polyester powder coated, RAL7032(GREY)
Guard and screws	: Stainless steel
Sealing gasket	: Silicone -40°C to + 175°C
Breaker	: MITSUBISHI



Enclosure	Dimension in mm.					Figure
	a	b	c	d	e	
JBB 8106	205	254	225	149	179	1
JBB 8126	205	313	225	149	179	1
JBB 9146	228	363	248	149	179	1
JBB 9187	228	457	248	185	210	2
JBB13219	332	535	554	240	273	2
JBB 162610	405	660	425	258	288	3

**Catalogue number :**

Molded-Case Circuit Breaker "Mitsubishi"					Molded-Case Circuit Breaker "Mitsubishi"				
Frame size (AF)	Rated current (AT)	Poles	Rated short-circuit breaking capacities (kA.)	Cat. No.	Frame size (AF)	Rated current (AT)	Poles	Rated short-circuit breaking capacities (kA.)	Cat. No.
32 (NF32-SV)	3	2	7.5kA. at 230v.	ECB27x5-003M8106	125 (NF125-SV)	16	2	50kA. at 230v.	ECB250-016M8126
	4			ECB27x5-004M8106		20			ECB250-020M8126
	6			ECB27x5-006M8106		32			ECB250-032M8126
	10			ECB27x5-010M8106		40			ECB250-040M8126
	16			ECB27x5-016M8106		50			ECB250-050M9146
	20			ECB27x5-020M8106		63			ECB250-063M9146
	25			ECB27x5-025M8106		80			ECB250-080M9187
	32			ECB-27x5-032M8106		100			ECB250-100M9187
	3	3	5kA. at 400v.	ECB305-003M8106		125	ECB250-125M9187		
	4			ECB305-004M8106		16	30kA. at 400v.	ECB330-016M8126	
	6			ECB305-006M8106		20		ECB330-020M8126	
	10			ECB305-010M8106		32		ECB330-032M8126	
	16			ECB305-016M8106		40		ECB330-040M8126	
	20			ECB305-020M8106		50		ECB330-050M9146	
25	ECB305-025M8106	63	ECB330-063M9146						
32	ECB305-032M8106	80	ECB330-080M9187						
100	ECB330-100M9187								
125	ECB330-125M9187								
63 (NF63-CV)	10	2	7.5kA. at 230v.	ECB27x5-010M8126	250 (NF250-SV)	125	2	85kA 230V.	ECB285-125M13219
	16			ECB27x5-016M8126		150			ECB285-150M13219
	20			ECB27x5-020M8126		160			ECB285-160M13219
	25			ECB27x5-025M8126		175			ECB285-175M13219
	32			ECB27x5-032M8126		200			ECB285-200M13219
	40			ECB27x5-040M8126		225			ECB285-225M13219
	50			ECB27x5-050M8126		250			ECB285-250M13129
	63			ECB27x5-063M8126		125			36kA 400V.
	10	3	5kA. at 400v.	ECB305-010M8126		150	ECB336-150M13219		
	16			ECB305-016M8126		160	ECB336-160M13219		
	20			ECB305-020M8126		175	ECB336-175M13219		
	25			ECB305-025M8126		200	ECB336-200M13219		
	32			ECB305-032M8126		225	ECB336-225M13219		
	40			ECB305-040M8126		250	ECB336-250M13219		
50	ECB305-050M8126			250	50kA 230V.	ECB250-250M162610			
63	ECB305-063M8126	300	ECB250-300M162610						
350	ECB250-350M162610								
400	ECB250-400M162610								
250	3	40kA 400V.	ECB340-250M162610						
300			ECB340-300M162610						
350			ECB340-350M162610						
400			ECB340-400M162610						

**Option**

- O-ring gasket
- Drain fitting
- Internal accessories of circuit breaker
  - Alarm switch (Indicates that the breaker has tripped.)
  - Auxiliary switch (Indicates weather the breaker is ON or OFF)
  - Shunt trip (Trip the breaker electrically by Mushroom-head push button.)
  - Under voltage trip (Trip the breaker automatically when the voltage drops.)
- For rated current higher than 400AT , please consult factory.