



for a greener tomorrow



**mitsubishi
electric**

Changes for the Better

FACTORY AUTOMATION

MMP-T32 SERIES

Motor Circuit Breaker

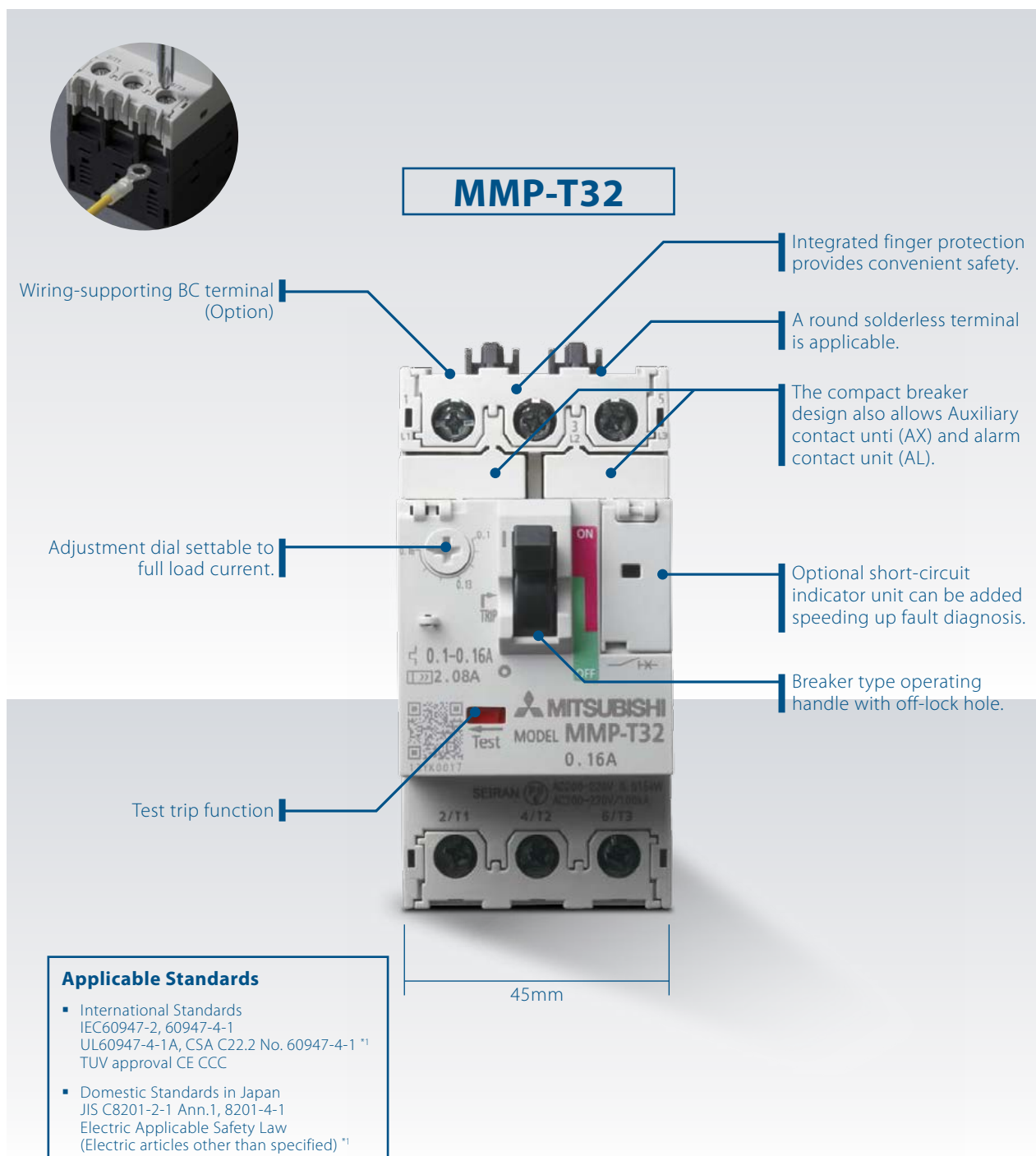


- Self-Protected Manual Motor Controller
- Reliable protection and superior performance
- Compact design
- Smart wiring
- Safety & Quality
- Global Standards

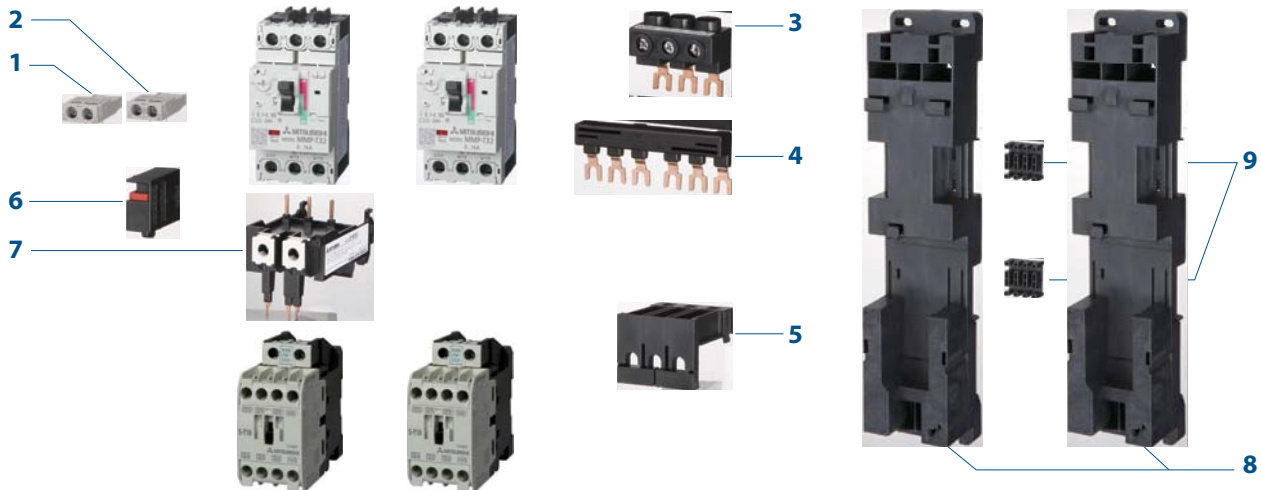
Advantages of adopting this device

MMP-T32 integrates low voltage circuit breakers and thermal overload relay functions. This device is capable of protecting the motor branch circuits from overload, phase-loss and short-circuit occurrences. The MMP-T32 enables more secure wiring and motor protection than standard open type starters

In addition to motor protection, integrating the Mitsubishi MS-T Series contactor provides a smaller footprint, and the combination motor controller will help eliminate wiring and save time in panel design.



Options List



NUMBER	MODEL	CODE	SPECIFICATION	DESCRIPTION
1	UT-MAX 1A	288455	1a	Auxiliary contact unit with ON/OFF operation.
	UT-MAX 1B	288456	1b	
	UT-MAXLL 1A	288457	1a	
	UT-MAXLL 1B	288458	1b	
2	UT-MAL 1A	288451	1a	Alarm contact unit with trip operation.
	UT-MAL 1B	288452	1b	
	UT-MALL 1A	288453	1a	
	UT-MALL 1B	288454	1b	
3	UT-EP3	288449		A unit to connect a large size electric wires to MMP-T32.
4	UT-2B4	288445	45 mm	A unit to supply power to two or three MMP-T32
			Twin type	
	UT-3B4	288446	45 mm	
			Trippel Type	
	UT-2B5	288447	57 mm	
			Twin type	
5	UT-CV3	288450	57 mm	Power supply-side terminal cover for UL60947-4-1A, Type E/F. Kit includes terminal adapter, terminal cover and 3 screws.
			Trippel Type	
6	UT-TU	288459	For MMP-T32 to fulfill with UL60947-4-1A, Type E/F	Unit has red indicator which shows only when the device is tripped due to short-circuit. This unit is required for UL60947-4-1A, Type E/F.
7	UT-MT20	288460	For S-T10/T12/T20	Used to connect the MMP-T32 and Magnetic Contactor electrically and mechanically.
	UT-MT32	288461	For S-T32	
	UT-MT20D	293623	For SD-T12/T20	
	UT-MT32D	293624	For SD-T32	
8	UT-BT20	288462	For UT-MT20	A plate to install the combination starter with MMP-T32 and Magnetic Contactor. Rail mounting and screw mounting are available.
	UT-BT32	288463	For UT-MT32	
	UT-BT32D	293626	For UT-MT20D/MT32D	
9	UT-RT10	288464	For S-2xT10, SD-2xT10	Blocks for mechanical connection of two mounting base units.
	UT-RT20	288465	For S-2xT12/20, SD-2xT12/20	
	UT-RT32	288466	For S-2xT32, SD-2xT32	

MMP-T32 series / Motor Circuit Breaker

Specifications

FRAME A		32						32						
TYPE NAME		MMP-T32						MMP-T32LF						
Standard		JIS C8201-2-1 Ann.1, JIS 8201-4-1, EN60947-2, EN60947-4-1, IEC60947-2, IEC60947-4-1, GB14048.2 UL60947-4-1A, CSAC22.2N0.60947-4-1						EN60947-2, EN60947-4-1, IEC60947-2, IEC60947-4-1, GB14048.2						
Number of poles		3												
Handle shape		Tumbler handle												
Rated current in [A]		0.1 to 32												
Rated operational voltage Ue [V]		200 to 690												
Rated frequency [Hz]		50/60												
Rated insulation voltage Ui [V]		690												
Rated impulse withstand voltage Uimp [kV]		6												
Rated short-circuit breaking capacity [kA] JIS C8201-2-1 Ann.1 IEC60947-2	Rated current Ie [A]		200/240 V		400/415 V		440/460 V		200/240 V		400/415 V		440/460 V	
	Heater designation	Current setting range	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics
	0.16	0.1-0.16	100		100		100		100		100		100	
	0.25	0.16-0.25	100		100		100		100		100		100	
	0.4	0.25-0.4	100		100		100		100		100		100	
	0.63	0.4-0.63	100		100		100		100		100		100	
	1	0.63-1	100		100		100		100		100		100	
	1.6	1-1.6	100		100		100		100		100		100	
	2.5	1.6-2.5	100		100		100		100		100		100	
	4	2.5-4	100		100		100		100		100		100	
	6.3	4-6.3	100		100		100		100		100		50	50
	8	5.5-8	100		100		50	38	100		100		15	15
	10	7-10	100		100		50	38	100		100		15	15
	13	9-13	100		100		50	38	100		15	7.5	8	4
	18	12-18	100		50	38	35	27	100		15	7.5	8	4
25	18-25	100		50	38	35	27	50		15	6	6	3	
32	24-32	100		50	38	35	27	50		10	5	6	3	
Selectivity category	JIS C8201-2-1 Ann.1 IEC60947-2	Cat.A												
Utilization category	JIS C8201-4-1 IEC60947-4-1	AC-3												
Trip class (JIS C8201-4-1, IEC60947-4-1)		10												
Instantaneous release current		13 x Maximum Ie												
Durability	Mechanical [times]	100,000												
	Electrical [times]	100,000												
Phase loss sensitive		Yes												
Trip display		Yes												
Test trip function		Yes												
Auxiliary contact unit		UT-MAX (1a or 1b) AC-12: 125 V/5 A, 250 V/3 A												
Alarm contact unit		UT-MAL (1a or 1b) DC-12: 125 V/0.4 A, 250 V/0.2 A												
Short-circuit indicator unit		UT-TU												
Weight [g]		330												

BREAKING CAPACITY AT 415 V	CURRENT SETTING RANGE	MODEL	CODE
100 KA	0.1-0.16 A	MMP-T32LF-0.16A	288426
100 KA	0.16-0.25 A	MMP-T32LF-0.25A	288427
100 KA	0.25-0.4 A	MMP-T32LF-0.4A	288428
100 KA	0.4-0.63 A	MMP-T32LF-0.63A	288429
100 KA	0.6-1 A	MMP-T32LF-1.0A	288430
100 KA	1-1.6 A	MMP-T32LF-1.6A	288431
100 KA	1.6-2.5 A	MMP-T32LF-2.5A	288432
100 KA	2.5-4 A	MMP-T32LF-4.0A	288433
100 KA	4-6.3 A	MMP-T32LF-6.3A	288434
100 KA	5.5-8 A	MMP-T32LF-8A	288435
100 KA	7-10 A	MMP-T32LF-10A	288436
15 KA	9-13 A	MMP-T32LF-13A	288437
15 KA	12-18 A	MMP-T32LF-18A	288438
15 KA	18-25 A	MMP-T32LF-25A	488439
10 KA	24-32 A	MMP-T32LF-32A	288440
100 KA	9-13 A	MMP-T32-13A	288441
50 KA	12-18 A	MMP-T32-18A	288442
50 KA	18-25 A	MMP-T32-25A	288443
50 KA	24-32 A	MMP-T32-32A	288444

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