

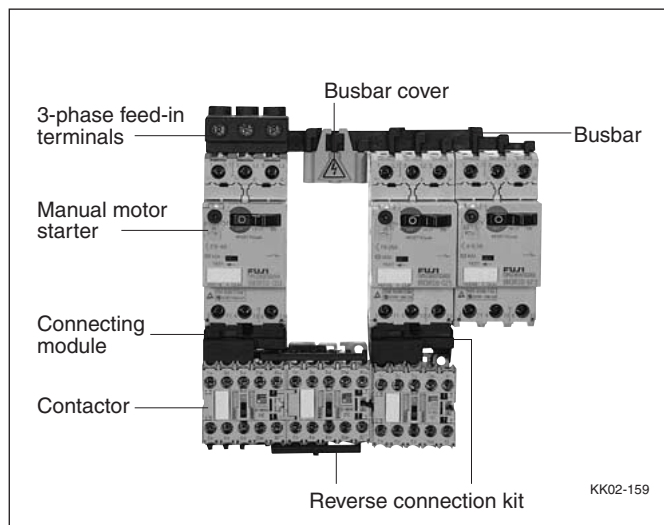
DUO series Manual Motor Starters

Busbar system

Busbar system

■ Features

- The busbar system reduces wiring time and saves floorspace.
- The busbar makes it easy to power from 2 to 5 manual motor starters – with no wiring needed.
- The 3-phase feed-in terminals are used to connect the wire for the power supply circuit.
- The busbar cover guards against accidental touching of non-connected busbar terminals (charged parts).



■ Types and ratings

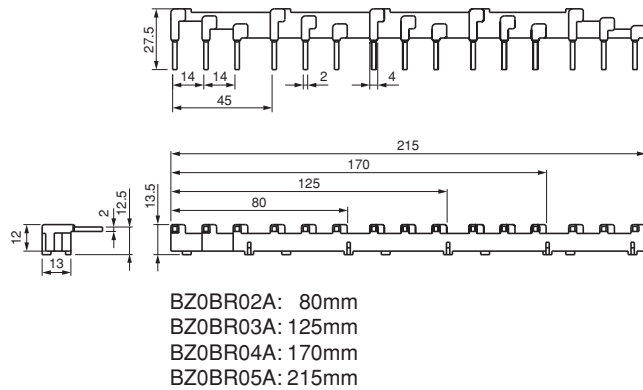
Description	Used with	Specification	Type	Mass (g)	
 KK02-164	BM3R	Continuous current: 64A max. Pin connection *	2-BM3R, modular space: 45mm 3-BM3R, modular space: 45mm 4-BM3R, modular space: 45mm 5-BM3R, modular space: 45mm	BZ0BR02A BZ0BR03A BZ0BR04A BZ0BR05A	30 50 70 90
	BM3R+1-external accessory, 9mm wide		2-BM3R, modular space: 54mm 3-BM3R, modular space: 54mm 4-BM3R, modular space: 54mm 5-BM3R, modular space: 54mm	BZ0BR12A BZ0BR13A BZ0BR14A BZ0BR15A	30 55 80 105
	BM3R+2-external accessory, 9mm wide or BM3R+1-external accessory, 18mm wide	Continuous current: 64A max. Fork connection	2-BM3R, modular space: 63mm 4-BM3R, modular space: 63mm	BZ0BR22A BZ0BR24A	45 100
	BM3V	Continuous current: 126A max. Pin connection	2-BM3V, modular space: 55mm 3-BM3V, modular space: 55mm 4-BM3V, modular space: 55mm	BZ0BV02A BZ0BV03A BZ0BV04A	140 240 340
	BM3V+1-external accessory, 9mm wide		2-BM3V, modular space: 64mm 3-BM3V, modular space: 64mm 4-BM3V, modular space: 64mm	BZ0BV12A BZ0BV13A BZ0BV14A	150 270 380
	BM3V+2-external accessory, 9mm wide or BM3V+1-external accessory, 18mm wide		2-BM3V, modular space: 73mm 4-BM3V, modular space: 73mm	BZ0BV22A BZ0BV24A	165 425
	3-phase feed-in terminal AF01-70R	BM3R	Continuous current: 64A max. Applicable cable size: 25mm ² max.	BZ0BFRA	40
		BM3V	Continuous current: 126A max. Applicable cable size: 50mm ² max.	BZ0BFVA	170
	Busbar cover AF01-70L	BZ0BR	For pin connection For fork connection	BZ0BCRA BZ0BCRB	10 5
		BZ0BV	For pin connection	BZ0BCVA	5

Notes: • When three or more busbar are used, a gap of 6mm will occur between the MMS at the connector point.
* Maximum number of MMS that can be mounted side by side using the two busbar (ex. BZ0BR05A × 2)

■ Dimensions, mm

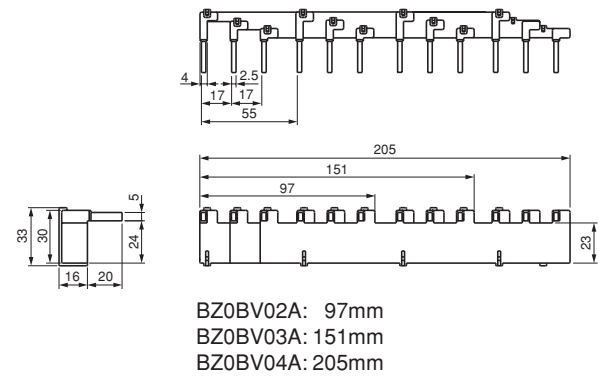
• For BM3R

BZ0BR0 Without external accessory

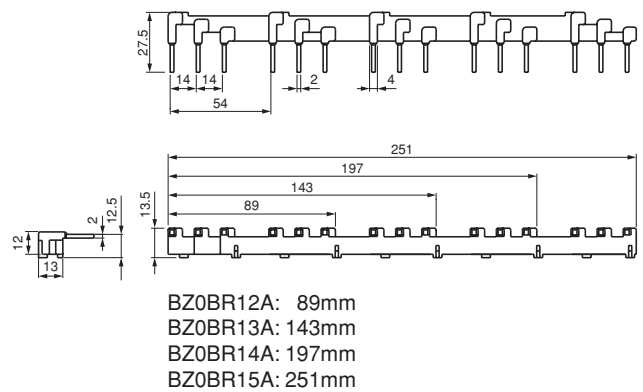


• For BM3V

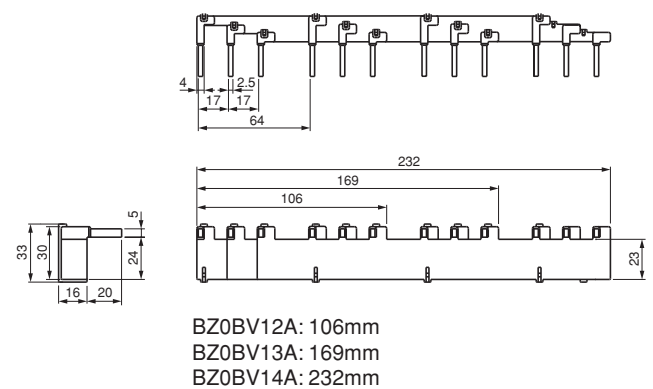
BZ0BV0 Without external accessory



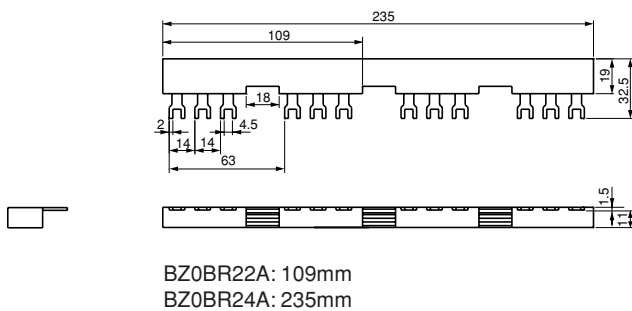
BZ0BR1 With 1-external accessory



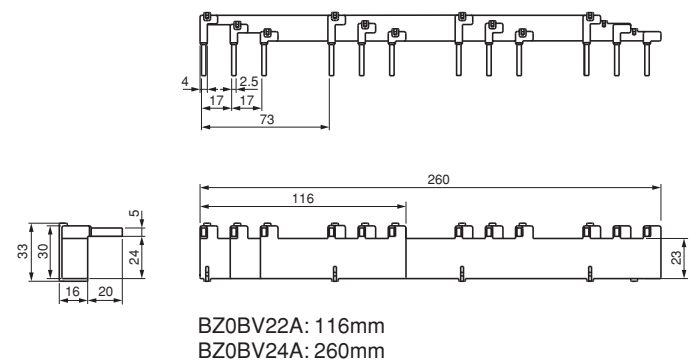
BZ0BV1 With 1-external accessory, 9mm wide



BZ0BR2 With 2-external accessory, 9mm wide
With 1-external accessory, 18mm wide



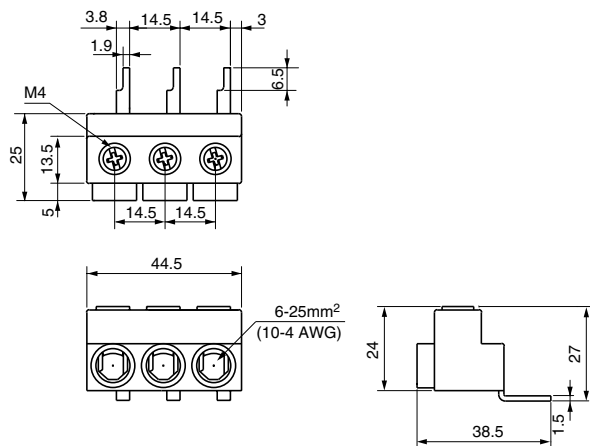
BZ0BV2 With 2-external accessory, 9mm wide
With 1-external accessory, 18mm wide



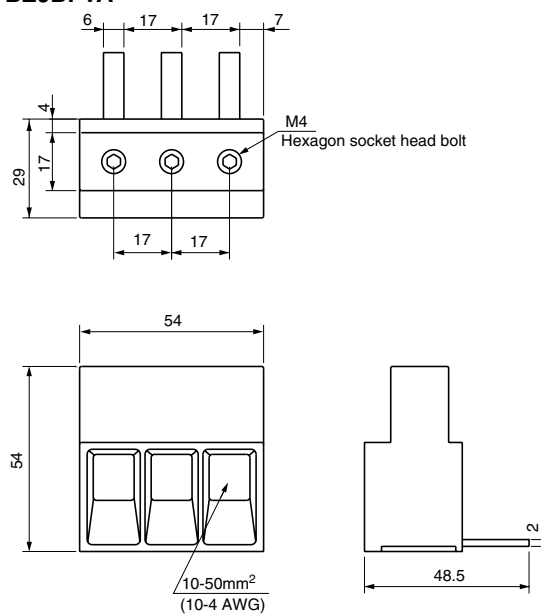
DUO series Manual Motor Starters

Busbar system

■ Dimensions, mm
 • 3-phase feed-in terminals
BZ0BFRA



BZ0BFVA

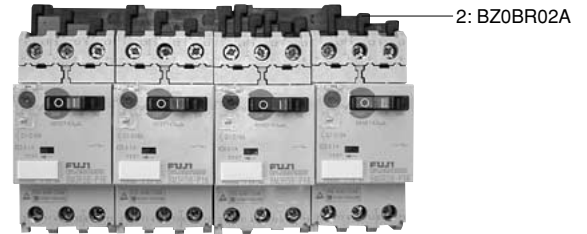


■ Busbar connection

• For BM3R

Example of two pin-connection busbars + 3-phase feed-in terminal

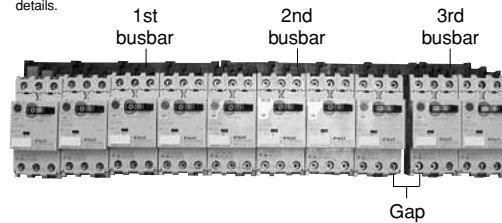
- (1) Insert the busbar 1 in the left side of MMS terminal screw. (2) Insert the busbar 2 in the right side of MMS terminal screw.



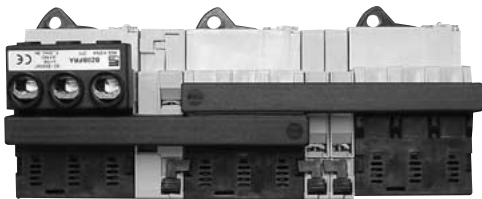
- (3) Attach the 3-phase feed-in terminal (BZ0BFRA) to the MMS from which the busbar has been inserted in the right side of terminal screw. (The mounting position of 3-phase feed-in terminal is same too even if one busbar is to be attached.)



Note: When three or more busbars are used, a gap of 6mm will occur as shown below. Please ask FUJI for details.



Example of two fork-connection busbars + 3-phase feed-in terminal



Note: When three or more busbars are to be connected, attach them on MMS, piling up and down as well as two busbars.

• For BM3V

Example of two busbars + 3-phase feed-in terminal

- (1) Insert the busbar 1 in the lower side of MMS terminal plate. (2) Insert the busbar 2 in the upper side of MMS terminal plate.



- (3) Attach the 3-phase feed-in terminal (BZ0BFVA) to the MMS from which the busbar has been inserted in the lower side of terminal plate. (The mounting position of 3-phase feed-in terminal is same too even if one busbar is to be attached.)



Note: When three or more busbars are to be connected, insert 3rd busbar or later up and down of the terminal plate alternately. (The MMSs are capable of side-by-side mounting.)