

Component

Simple Motion module RD77MS16/RD77MS8/RD77MS4/RD77MS2
[Simple Motion dedicated equipment]

Part	Model	Description		Standards	
Simple Motion Module	RD77MS16 ^(Note-1)	Up to 16 axes		CE, UL, KC	
	RD77MS8 ^(Note-1)	Up to 8 axes		CE, UL, KC	
	RD77MS4 ^(Note-1)	Up to 4 axes		CE, UL, KC	
	RD77MS2 ^(Note-1)	Up to 2 axes		CE, UL, KC	
SSCNET III cable ^(Note-2)	MR-J3BUS_M	• Simple Motion module⇔MR-J4-B • MR-J4-B⇔MR-J4-B	Standard code for inside panel	0.15m (0.49ft.), 0.3m (0.98ft.), 0.5m (1.64ft.), 1m (3.28ft.), 3m (9.84ft)	—
	MR-J3BUS_M-A		Standard cable for outside panel	5m (16.40ft.), 10m (32.81ft.), 20m (65.62ft.)	—
	MR-J3BUS_M-B ^(Note-3)		Long distance cable	30m (98.43ft.), 40m (131.23ft.), 50m (164.04ft.)	—
Manual pulse generator	MR-HDP01	Number of pulses per revolution: 25pulse/rev (100pulse/rev after magnification by 4), Permitted speed: 200r/min (Normal rotation)		—	

(Note-1): Order the A6CON1, A6CON2, and A6CON4 separately because the connectors are not included in the package.
 (Note-2): "-" indicates cable length (015: 0.15m (0.49ft.), 03: 0.3m (0.98ft.), 05: 0.5m (1.64ft.), 1: 1m (3.28ft.), 3: 3m (9.84ft.), 5: 5m (16.40ft.), 10: 10m (32.81ft.), 20: 20m (65.62ft.), 30: 30m (98.43ft.), 40: 40m (131.23ft.), 50: 50m (164.04ft))
 (Note-3): For a long distance cable or ultra-long bending life cable of up to 100m (328.08ft.), contact Mitsubishi Electric System & Service Co., Ltd.
 [Sales office] FA PRODUCT DIVISION mail: osb.webmaster@melsc.jp

Motion controller R32MTCPU/R16MTCPU
[Motion dedicated equipment]

Part	Model	Description		Standards	
Motion CPU module	R32MTCPU	Up to 32 axes, Operation cycle 0.222 ms or more		CE, UL, KC	
	R16MTCPU	Up to 16 axes, Operation cycle 0.222 ms or more		CE, UL, KC	
SSCNET III cable ^(Note-1)	MR-J3BUS_M	• Motion CPU module⇔MR-J4-B • MR-J4-B⇔MR-J4-B	Standard code for inside panel	0.15m (0.49ft.), 0.3m (0.98ft.), 0.5m (1.64ft.), 1m (3.28ft.), 3m (9.84ft)	—
	MR-J3BUS_M-A		Standard cable for outside panel	5m (16.40ft.), 10m (32.81ft.), 20m (65.62ft.)	—
	MR-J3BUS_M-B ^(Note-2)		Long distance cable	30m (98.43ft.), 40m (131.23ft.), 50m (164.04ft.)	—
Optical hub unit	MR-MV200	Three branches/unit, DC power supply connector enclosed		CE, UL, KC	
Serial absolute synchronous encoder	Q171ENC-W8	Resolution: 4,194,304 pulse/rev, Permitted speed: 3600r/min		CE, UL, KC	
Serial absolute synchronous encoder cable	Q170ENCCBL2M-A	Serial absolute synchronous encoder Q171ENC-W8⇔MR-J4-B-RJ		2m (6.56ft.)	—
	Q170ENCCBL5M-A			5m (16.40ft.)	—
	Q170ENCCBL10M-A			10m (32.81ft.)	—
	Q170ENCCBL20M-A			20m (65.62ft.)	—
	Q170ENCCBL30M-A			30m (98.43ft.)	—
	Q170ENCCBL50M-A			50m (164.04ft.)	—
Manual pulse generator	MR-HDP01	Number of pulses per revolution: 25pulse/rev (100pulse/rev after magnification by 4), Permitted speed: 200r/min (Normal rotation)		—	

(Note-1): "-" indicates cable length (015: 0.15m (0.49ft.), 03: 0.3m (0.98ft.), 05: 0.5m (1.64ft.), 1: 1m (3.28ft.), 3: 3m (9.84ft.), 5: 5m (16.40ft.), 10: 10m (32.81ft.), 20: 20m (65.62ft.), 30: 30m (98.43ft.), 40: 40m (131.23ft.), 50: 50m (164.04ft))
 (Note-2): For a long distance cable or ultra-long bending life cable of up to 100m (328.08ft.), contact Mitsubishi Electric System & Service Co., Ltd.
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[Manual pulse generator on the market]

Mitsubishi Electric has confirmed the operation of the following manual pulse generators. Contact each manufacturer for details.

Part	Model	Description	Manufacturer
Manual pulse generator	RE45BA2R5C	Number of pulses per revolution: 25pulse/rev (100pulse/rev after magnification by 4), Permitted speed: 200r/min (Normal rotation)	Tokyo Sokuteikizai Co.,Ltd.
	UFO-M2-0025-2Z1-B00E	Number of pulses per revolution: 25pulse/rev (100pulse/rev after magnification by 4), Permitted speed: 200r/min (Normal rotation)	Nemicon Corporation

Software for Motion controller

Part	Model		Description
	R32MTCPU	R16MTCPU	
Operating system software	SW10DNC-RMTFW		Pre-installed before shipment

Engineering software list

Part	Model	Description	
MELSOFT GX Works3	SW1DND-GXW3-E	Simple Motion module parameter settings, Sequence program creation	DVD-ROM
MELSOFT MT Works2	SW1DND-MTW2-E	Parameter settings and program creation for Motion controllers	DVD-ROM
MELSOFT iQ Works	SW2DND-IQWK-E	FA Engineering Software ^(Note-1) • System Management Software [MELSOFT Navigator] • Programmable Controller Engineering Software [MELSOFT GX Works3] • Motion Controller Engineering Software [MELSOFT MT Works2] • Screen Design Software [MELSOFT GT Works3] • Robot Total Engineering Support Software [MELSOFT RT ToolBox2 mini] • Inverter Setup Software [MELSOFT FR Configurator2]	DVD-ROM

(Note-1): Refer to each product manual for software needed for the model.