

LSIS Metasol and Meta-MEC contactor comparison table

Green Innovators of Innovation




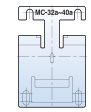




| | | TYPE | MC-6a | MC-9a | MC-12a | MC-18a | MC-9b | MC-12b | MC-18b | MC-22b | MC-32a | MC-40a | MC-50a | MC-65a | MC-75a | MC-85a | MC-100a | MC-130a | MC-150a | MC-185a | MC-225a | MC-265a | MC-330a | MC-400a | MC-500a | MC-630a | MC-800a | |
|----------------------------|-----------------------|--|----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Manufactured products | Metasol MC | IEC60947 200-240V | 2.2kW 9A | 2.5kW 11A | 3.5kW 13A | 4.5kW 18A | 2.5kW 11A | 3.5kW 13A | 4.5kW 18A | 5.5kW 22A | 7.5kW 32A | 11kW 40A | 15kW 55A | 18.5kW 65A | 22kW 75A | 25kW 85A | 30kW 105A | 37kW 130A | 45kW 150A | 55kW 185A | 75kW 225A | 80kW 265A | 90kW 330A | 125kW 400A | 147kW 500A | 190kW 630A | 220kW 800A | |
| | | 380-440V | 3kW 7A | 4kW 9A | 5.5kW 12A | 7.5kW 18A | 4kW 9A | 5.5kW 12A | 7.5kW 18A | 11kW 22A | 15kW 32A | 18.5kW 40A | 22kW 50A | 30kW 65A | 37kW 75A | 45kW 85A | 55kW 105A | 60kW 130A | 75kW 150A | 90kW 185A | 132kW 225A | 147kW 265A | 160kW 330A | 200kW 400A | 265kW 500A | 330kW 630A | 440kW 800A | |
| | | 500-550V | 3kW 6A | 4kW 7A | 7.5kW 12A | 7.5kW 13A | 4kW 7A | 7.5kW 12A | 7.5kW 13A | 15kW 20A | 18.5kW 28A | 22kW 32A | 30kW 43A | 33kW 60A | 37kW 64A | 45kW 75A | 55kW 85A | 60kW 90A | 70kW 100A | 110kW 180A | 132kW 200A | 147kW 225A | 160kW 280A | 225kW 350A | 265kW 400A | 330kW 500A | 500kW 720A | |
| | UL508 | 200-206V 220-240V 440-480V 550-600V | 2HP 3HP 5HP 7.5HP | 2HP 3HP 5HP 7.5HP | 3HP 5HP 7.5HP 10HP | 5HP 7.5HP 10HP 15HP | 2HP 3HP 5HP 7.5HP | 3HP 5HP 7.5HP 10HP | 5HP 7.5HP 10HP 15HP | 7.5HP 10HP 15HP 20HP | 7.5HP 10HP 15HP 20HP | 15HP 20HP 30HP 40HP | 20HP 25HP 30HP 40HP | 25HP 30HP 40HP 50HP | 30HP 40HP 50HP 60HP | 30HP 40HP 50HP 60HP | 40HP 50HP 60HP 75HP | 40HP 50HP 60HP 75HP | 60HP 75HP 100HP 125HP | 60HP 75HP 100HP 150HP | 75HP 100HP 150HP 200HP | 75HP 100HP 150HP 200HP | 100HP 125HP 150HP 200HP | 100HP 125HP 150HP 200HP | 125HP 150HP 200HP 300HP | 150HP 200HP 300HP 400HP | 200HP 300HP 400HP 500HP | 200HP 300HP 400HP 500HP |
| | Auxiliary (Standard) | | 1NO or 1NC | | | | 1NO1NC | | | | - | | | | - | | | | - | | | | 2NO2NC | | 2NO2NC | | 2NO2NC | |
| | Mounting size | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Weight (kg) | | 0.33 | | | | 0.34 | | | | 0.4 | | 0.9 | | 1.6 | | 2.4 | | 5.4 | | 9.2 | | 22.4 | | | | | |
| | Dimension(W×H×D) | | 45 × 73.5 × 79 | | | | 45 × 73.5 × 86 | | | | 45 × 83 × 90 | | 55 × 106 × 119 | | 75 × 140 × 135.8 | | 95 × 158 × 132 | | 138 × 203 × 181 | | 163 × 243 × 198 | | 285 × 312 × 242 | | | | | |
| | Discontinued products | Meta-MEC MC | IEC60947 200-240V | - | - | - | - | GMC-9 2.5kW 11A | GMC-12 3.5kW 13A | GMC-18 4.5kW 18A | GMC-22 5.5kW 22A | GMC-32 7.5kW 32A | GMC-40 11kW 40A | GMC-50 15kW 55A | GMC-65 18.5kW 65A | GMC-75 22kW 75A | GMC-85 25kW 85A | GMC-100 30kW 105A | GMC-125 37kW 125A | GMC-150 45kW 150A | GMC-180 55kW 180A | GMC-220 75kW 250A | - | GMC-300 90kW 300A | GMC-400 125kW 400A | - | GMC-600 190kW 630A | GMC-800 220kW 800A |
| | | | 380-440V | - | - | - | - | 4kW 9A | 5.5kW 12A | 7.5kW 18A | 11kW 22A | 15kW 32A | 18.5kW 40A | 22kW 50A | 30kW 65A | 37kW 75A | 45kW 85A | 55kW 105A | 60kW 120A | 75kW 150A | 90kW 180A | 132kW 250A | 147kW 265A | - | 160kW 300A | 220kW 400A | - | 330kW 630A |
| 500-550V | | | - | - | - | - | 4kW 7A | 7.5kW 12A | 7.5kW 13A | 15kW 22A | 18.5kW 28A | 22kW 32A | 30kW 43A | 33kW 60A | 37kW 64A | 45kW 75A | 55kW 85A | 60kW 90A | 90kW 140A | 110kW 180A | 132kW 200A | 147kW 225A | - | 160kW 250A | 225kW 350A | - | 330kW 500A | 500kW 720A |
| UL508 | | 200V 230V 460V 575V | - | - | - | - | 2HP 2HP 5HP 7.5HP | 3HP 3HP 5HP 7.5HP | 5HP 5HP 7.5HP 10HP | 7HP 7.5HP 10HP 15HP | 7.5HP 10HP 20HP 25HP | 10HP 10HP 30HP 40HP | 15HP 20HP 30HP 40HP | 20HP 25HP 40HP 50HP | 25HP 30HP 50HP 60HP | 25HP 30HP 50HP 60HP | 30HP 40HP 60HP 75HP | 40HP 50HP 75HP 100HP | 40HP 50HP 75HP 100HP | 60HP 60HP 125HP 125HP | 60HP 75HP 150HP 150HP | 75HP 100HP 150HP 200HP | - | 100HP 100HP 200HP 200HP | 125HP 150HP 300HP 300HP | - | 150HP 200HP 400HP 400HP | 250HP 300HP 600HP 600HP |
| Auxiliary (Standard) | | | - | - | - | - | 1NO1NC | 1NO1NC | 1NO1NC | 1NO1NC | - | - | - | - | - | - | - | 2NO2NC | 2NO2NC | 2NO2NC | 2NO2NC | 2NO2NC | - | 2NO2NC | 2NO2NC | - | 2NO2NC | 2NO2NC |
| Mounting size | | | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| Weight (kg) | | | - | - | - | - | 0.33 | 0.37 | 0.45 | 1 | 1 | 2.9 | 3.4 | 5.4 | - | 9.2 | - | 22 | | | | | | | | | | |
| Dimension(W×H×D) | | | - | - | - | - | 44 × 80 × 86.8 | | 45 × 82 × 94.5 | | 70 × 123.5 × 117.4 | | 70 × 123.5 × 117.4 | | 100 × 157.4 × 146.5 | | 120 × 166 × 157 | | 138 × 203 × 181 | | - | 163 × 243 × 198 | | - | 285 × 290 × 242 | | | |
| Compatibility with Metasol | | | - | - | - | - | ○ | | ▲ | | ▲ | | ▲ | | × | | × | | ○ | | - | | ○ | | - | | ○ | |

Note) Marks of compatibility
 ○ : can be compatible
 ▲ : compatible by additionally provided bracket
 × : can't be compatible

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| Figure | Product | Metasol Series (New) | | | Meta-MEC Series (Old) | | | Comparability | |
|--|------------------------|----------------------|-----------------|----------|-----------------------|-----------------|----------|---------------|---|
| | | Type | Contactors Type | | Type | Contactors Type | | | |
|  | Auxiliary contact unit | UA-1 | MC-6a-150a | 1NO,1NC | AU-1 | GM□-9-85 | 1NO,1NC | X | |
| | | - | - | - | AU-1E | GM□-9-85 | | - | - |
| | | AU-100 | MC-185a-MC-800a | 1NO,1NC | AU-100 | GM□-100-800 | | 1NO,1NC | O |
| | | AU-100E | | | AU-100E | GM□-100-800 | | | O |
| | | UA-2 | MC-6a-150a | 2NO | AU-2 | GM□-9-85 | | 2NO | O |
| | | UA-4 | | 1NO,1NC | | | | 1NO,1NC | O |
| | | | | 2NC | | | | 2NC | O |
| | | | | 4NO | | | | 4NO | O |
| | | | | 3NO,1NC | | | | 3NO,1NC | O |
| | | | | 2NO,2NC | | | | 2NO,2NC | O |
| 1NO,3NC | 1NO,3NC | | | O | | | | | |
| 4NC | 4NC | O | | | | | | | |
|  | Control coil | MC-6a-22b | AC | - | GMC-9-40 | AC | - | X | |
| | | MC-32a-40a | | | GMC-50-85 | | | | |
| | | MC-50a-65a | | | - | | | | |
| | | MC-75a-100a | | | | | | | |
| | | MC-6a-22b | DC | | GMC-9-40 | DC | | | |
| | | MC-32a-40a | | | GMC-50-85 | | | | |
| | | MC-50a-65a | | | - | | | | |
| | | MC-75a-100a | AC/DC | | GMC-100-150 | AC/DC | | | |
| | | MC-130a-150a | | | GMC-180-220 | | | | |
| | | MC-185a-225a | | | GMC-300-400 | | | | |
| MC-265a-400a | GMC-600-800 | | | | | | | | |
| MC-500a-800a | | | | | | | | | |
|  | Interlock unit | UR-02 | MC-6a-150a | 3Pole | AR-9 | GM□-9-85 | 3Pole | X | |
| | | AR-180 | MC-180a-MC-400a | | AR-100 | GMC-100-150 | | X | |
| | | AR-600 | MC-500a-MC-800a | | AR-180 | GMC-100-400 | | O | |
| | | UR-02 | MC-6a-18a | | AR-600 | GMC-600-800 | | O | |
| | | AR-9 | MC-22a-85a | 4Pole | AR-9 | GM□-9-85 | 4Pole | X | |
| | | AR-180 | MC-100a-400a | | AR-100 | GMC-100-150 | | O | |
| | | AR-600 | MC-500a-MC-800a | | AR-180 | GMC-100-400 | | O | |
| | | AR-600 | MC-500a-MC-800a | | AR-600 | GMC-600-800 | | O | |
|  | Mechanical latch unit | ML-65 | MC-6a-65a | - | AL-9 | GM□-9-40 | - | X | |
| | | ML-150 | MC-75a-150a | | AL-50 | GM□-50-85 | | X | |
| | | | | | AL-100 | GMC-100-125 | | X | |
| | | | | | AL-150 | GMC-150 | | X | |
| | | AL-220 | MC-185a-225a | | AL-220 | GMC-180, 220 | | O | |
| AL-400 | MC-265a-400a | AL-400 | GMC-300, 400 | O | | | | | |
|  | Electronic timer | UT-1N | MC-6a-150a | On-delay | UT-1N | GM□-9-85 | On-delay | O | |
| | | UT-2N | | | UT-2N | | | | |
| | | UT-1F | | | UT-1F | | | | |
| | | UT-2F | | | UT-2F | | | | |
|  | Capacitor unit | AC-9 | MC-6a-MC-40a | - | AC-9 | GMC-9-40 | - | O | |
| | | AC-50 | MC-50a-MC-100a | | AC-50 | GM□-50-85 | | | |

| Figure | Product | Metasol Series (New) | | | Meta-MEC Series (Old) | | | Comparability | | | | | |
|---|-------------------------|---|------------------------|-------------|------------------------|-----------------|-----------|--|---|-----------|----------|----------|---|
| | | Type | Contactors Type | | Type | Contactors Type | | | | | | | |
|  | Lug terminal | - | - | - | AJ-100 | GMC-100-125 | - | - | | | | | |
| | | - | - | - | AJ-150 | GMC-150 | | | | | | | |
| | | AJ-180 | MC-185a-225a | - | AJ-180 | GMC-180-220 | | | - | O | | | |
| | | AJ-300 | MC-265a-400a | - | AJ-300 | GMC-300-400 | | | - | | | | |
| | | AJ-600 | MC-500a-800a | - | AJ-600 | GMC-600-800 | | | - | | | | |
|  | Thermal overload relays | MT-12 | MC-6a-18a | - | GT□-22 | GM□-9-22 | - | X | | | | | |
| | | MT-32 | MC-9b-40a | | GT□-40 | GM□-32-40 | | | | | | | |
| | | MT-63 | MC-50a-65a | | GT□-85 | GM□-50-85 | | | | | | | |
| | | MT-95 | MC-75a-100a | | GT□-100 | GM□-100-125 | | | | | | | |
| | | MT-150 | MC-130a-150a | | GT□-150 | GM□-150 | | | | | | | |
| | | MT-225 | MC-185a-225a | | GT□-220 | GM□-180-220 | | | | | | | |
| | | MT-400 | MC-265a-400a | | GT□-400 | GM□-300-400 | | | | | | | |
| | | MT-800 | MC-500a-800a | | GT□-800 | GM□-600-800 | | | | | | | |
| | |  | Separate mounting unit | | UZ-32 | - | | | - | MT-32/2H□ | AZ-22H | GTH-22/3 | - |
| | | | | | | | | | | MT-32/3H□ | | GTH-22/3 | |
| MT-32/3K□ | GTK-22 | | | | | | | | | | | | |
| MT-32/3D□ | GTH-40 | | | | | | | | | | | | |
| MT-63/2H□S | AZ-40H | | | GTH-40/3 | | | | | | | | | |
| MT-63/3H□S | | | | GTK-40 | | | | | | | | | |
| MT-63/3K□S | | | | GTH-85 | | | | | | | | | |
| UZ-63/S | - | | | MT-63/3D□S | AZ-85H | GTH-85/3 | | | | | | | |
| | | | | MT-95/2H□S | | GTK-85 | | | | | | | |
| | | | | MT-95/3H□S | | GTH-85/3 | | | | | | | |
| UZ-95/S | - | | | MT-95/3K□S | - | GTK-85 | | | | | | | |
| | | | | MT-95/3D□S | | | | | | | | | |
| | | | | MT-150/2H□ | | | | | | | | | |
| | | | | MT-150/3H□ | | | | | | | | | |
| | | | | MT-150/3K□ | | | | | | | | | |
| UZ-150/S | - | MT-150/3D□ | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
|  | compatibility bracket | MP-40 | MC-32a-40a | - | - | GMC-32-40 | - | Please use compatibility bracket when replace from GMC-to MC-without to change of panel size | | | | | |
| | | MP-85 | MC-50a-85a | - | - | GMC-50-85 | - | | | | | | |
|  | Surge unit | US-1 | MC-6a-150a | - | AS-11 | GM□-6-85 | AC/DC | X | | | | | |
| | | US-2 | | | AS-12 | | | | | | | | |
| | | US-3 | | | AS-13 | | | | | | | | |
| | | US-4 | | | AS-14 | GMC-9-85 | AC | | | | | | |
| | | US-5 | | | AS-1 | | | | | | | | |
| | | US-6 | | | AS-2 | | | | | | | | |
| | | US-11 | | | AS-3 | GMD-9-85 | DC | | | | | | |
| | | US-12 | | | AS-4 | | | | | | | | |
| | | US-13 | | | AS-5 | | | | | | | | |
| | | US-14 | | | AS-6 | - | - | | | | | | |
| | | US-22 | | | | | | | | | | | |
| | |  | | | Delayed opening Device | AD-9 | MC-6a-40a | | - | AD-9 | GMD-9-40 | - | O |
| AD-50 | MC-50a-100a | | AD-50 | GMD-50-85 | | | | | | | | | |
| AD-100 | MC-185a-225a | | AD-100 | GMC-100-220 | | | | | | | | | |
| AD-300 | MC-265a-400a | | AD-300 | GMC-300-400 | | | | | | | | | |
| AD-600 | MC-500-800a | | AD-600 | GMC-600-800 | | | | | | | | | |

Note) 1. Above magnetic contactors are 3 pole standard type.
 2. 4pole magnetic contactor's coil is compatible with Meta-MEC and Metasol series over 22Ampere Frame.
 3. The Lug-terminal magnetic contactors below MC-150a, have to order separately.