

UM-C Motorized unit kit for changeover switch S5000F & CCF



| | | | | |
|-----|----------------|------------|------------|------------|
| | | 120 Vac/dc | 230 Vac/dc | 277 Vac/dc |
| CCF | Size 2 UM T2 | UM-C21120Z | UM-C21230Z | UM-C21277Z |
| | Size 3 UM T3 | UM-C31120Z | UM-C31230Z | UM-C31277Z |
| S5F | Size 4 UM T3 | UM-C35120Z | UM-C35230Z | UM-C35277Z |

230 Vac/dc

| | | |
|-----|----------------|------------|
| S5F | Size 0 UM T0 | UM-C0A230Z |
| CCF | Size 1 UM T0 | UM-C1A230Z |
| CCF | Size 2 UM T0 | UM-C2A230Z |

Technical information



According to IEC 60947-3



UM T0

| | | |
|---|-----------------|--------------------------------|
| Rated operational voltage | | 230Vac/dc |
| Operating voltage range (based in our own tests) (size 1) | ΔV | 0,85*V to 1,15*V |
| Operating voltage range (based in our own tests) (size 2) | ΔV | 0,9*V to 1,1*V |
| Operating voltage range according to IEC 60947-6 (size 1) | ΔV | 0,95*V to 1,10*V |
| Operating voltage range according to IEC 60947-6 (size 2) | ΔV | 0,95*V to 1,1*V |
| Cable of voltage supply | mm ² | 1,5 - 2,5 |
| Cable section area Input Signals | mm ² | 0,5 - 1,5 |
| Cable section area Auto-Lock mode Outputs | mm ² | 0,5 - 1,5 |
| Inrush Current (I _{rms}) | A | 1,1 |
| Use current | mA | 45 |
| Protective Fuse (Ref. F1AL250V Littelfuse) | A | 1 |
| Operating angle | | - 70° / 0° / +70° (I - 0 - II) |
| Number of UM T0 operations (S5 S6 size 1) | Cycles | 10000 |
| Number of UM T0 operations (S5 S6 size 2) | Cycles | 5000 |
| Operation rate (0-I-II-0) (S5 S6 size 1) | Cycles/hour | 120 |
| Operation rate (0-I-II-0) (S5 S6 size 2) | Cycles/hour | 60 |
| Operating temperature | | - 25°C + 55°C |
| Transportation and storage temperature | | - 40°C + 70°C |
| Weight | Kg | 1,8 |

| Pos. | Direction | Pos. | Operating time |
|------|-----------|------|----------------|
| 0 | → | I | 750 ms |
| I | → | 0 | 750 ms |
| 0 | → | II | 750 ms |
| II | → | 0 | 750 ms |
| I | → | II | 1,5 sec |
| II | → | I | 1,5 sec |



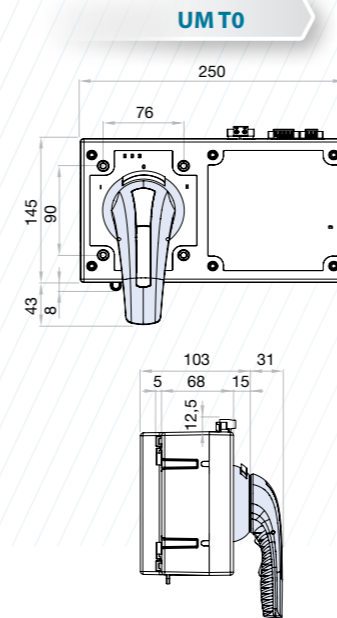
UM T2-T3

| | | | | |
|---|-----------------|-----------|------------------|-----------|
| Rated operational voltage | | 120Vac/dc | 230Vac/dc | 277Vac/dc |
| Frequency | Hz | | 50/60 | |
| Operating voltage range (based in our own tests) | ΔV | | 0,85*V to 1,15*V | |
| Operating voltage range according to IEC 60947-6 | ΔV | | 0,95*V to 1,10*V | |
| Cable of voltage supply | mm ² | | 1,5 - 2,5 | |
| Cable section area Input & MODBUS Signals | mm ² | | 0,5 - 1,5 | |
| Cable section area Outputs | mm ² | | 0,5 - 1,5 | |
| Inrush Current | A | | 17 | |
| Nominal Current during operation UM T2 | A | 4,75 | 2,5 | 2,1 |
| Nominal Current during operation UM T3 | A | 7,5 | 3,9 | 3,3 |
| Use current (I _{rms}) | A | | 0,041 | |
| Use current (I _{max}) | A | | 0,275 | |
| Operation time CCF size 2 - UM T2 | ms | 180 | 168 | 174 |
| Operation time S5F size 4 CCF C3 UM T3 | ms | 166 | 148 | 154 |
| Number of UM T2 operations for CCF size 2 500 - 630A ^{*(1) *(2)} | Cycles | | 4000 / 10000 | |
| Operation rate (0-I-II-0) for CCF size 2 500 - 630A ^{*(1)} | Cycles/hour | | 60 / 120 | |
| Number of UM T2 operations for CCF size 2 800A ^{*(1) *(2)} | Cycles | | 2500 / 10000 | |
| Operation rate (0-I-II-0) for CCF size 2 800A ^{*(1)} | Cycles/hour | | 20 / 120 | |
| Number of UM T3 operations for S5F size 4 CCF size 3 ^{*(1) *(2)} | Cycles | | 2500 / 7000 | |
| Operation rate (0-I-II-0) for S5F size 4 CCF size 3 ^{*(1)} | Cycles/hour | | 20 / 60 | |
| Operating temperature | T/Un RH90% | | -25°C + 55°C | |
| Transportation and storage temperature | RH90% | | - 40°C + 70°C | |
| Weight T2/T3 | Kg | | 3,96 / 4,4 | |

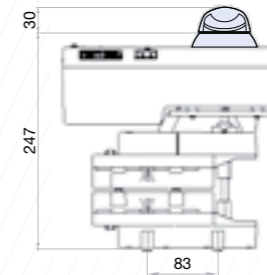
^{*(1)} According to IEC 60947-3 / Based in our own tests
^{*(2)} Please consult us for more operations

For inverted mounting there are references for **MU** with inverted frontal plates. Supply under request.

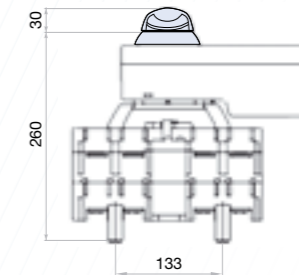
Dimensions (mm)



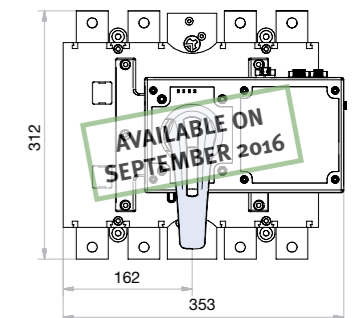
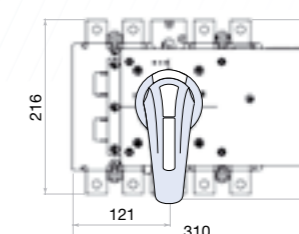
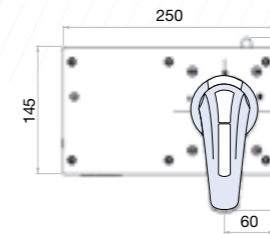
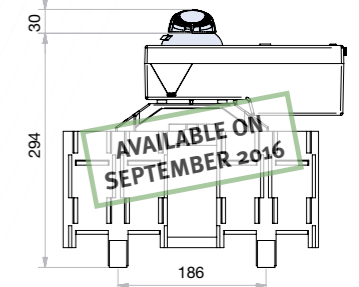
S5000F size 0 + UM T0



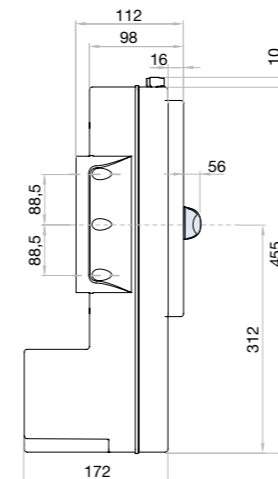
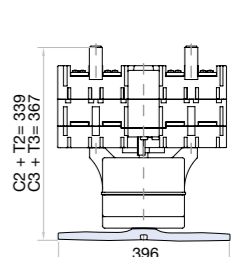
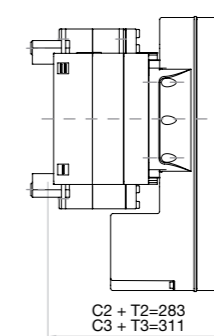
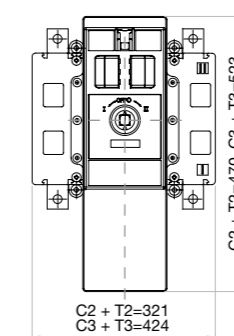
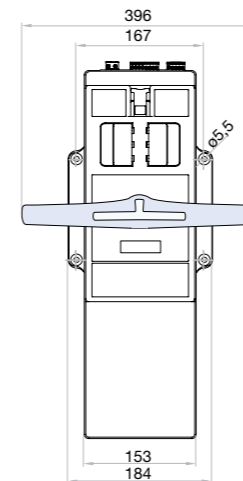
CCF size 1 + UM T0



CCF size 2 + UM T0



UM T2-T3



S5000F size 4 + UM T3

