

Specifications

| Model Ref. | Temp. | UL/VDE Ratings | Endurance (min) |
|------------------------|--------|---------------------------------------|-----------------|
| MQS- 1 | 40T85 | 5A 125/250VAC (UL) 3A 250VAC (VDE) | 50,000 cycles |
| MQS-14 | 40T125 | 10(2)A 125/250VAC | 10,000 cycles |
| MQS-15 | 40T85 | 10(2)A 125/250VAC | 10,000 cycles |
| MQS-16 | 40T125 | 0.1A 125/250VAC | 50,000 cycles |
| MQS-17 | 40T85 | 0.1A 125/250VAC | 50,000 cycles |
| MQS-18 | 40T125 | 5A 125/250VAC | 50,000 cycles |
| MQS-19 | 40T85 | 5A 125/250VAC | 50,000 cycles |
| MQS-11 | 40T85 | 0.2A/48V DC * | 500,000 cycles |
| MQS-1D | 40T85 | 3A/24VDC * | 100,000 cycles |
| MQS-1E | 40T125 | 3A/24VDC * | 100,000 cycles |
| Mechanical Life: | | 1,000,000 cycles | |
| Insulation Resistance: | | 100 MΩ min. | |
| Dielectric Strength: | | 1000VAC for 60 +/- 5 sec | |
| Housing: | | UL 94V0 Thermoplastic | |



Ordering qty: 200pcs
Switch with lever: 1000pcs

Ordering Instructions

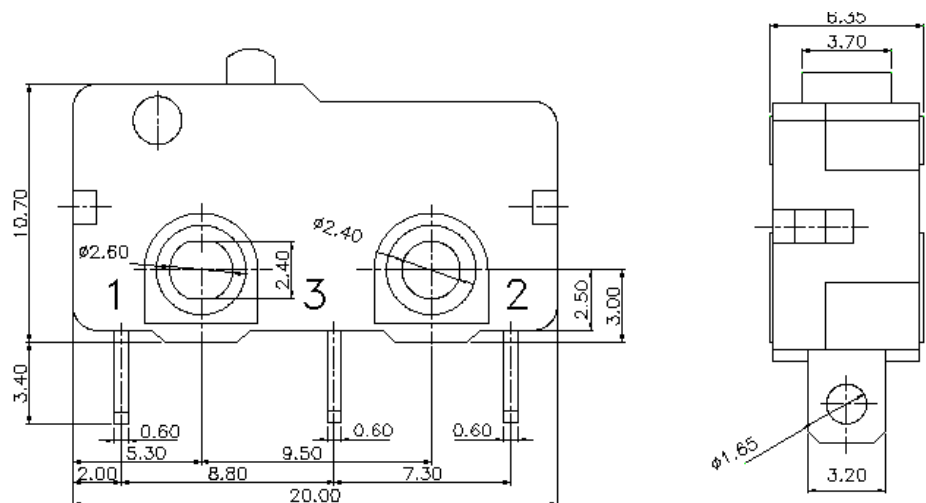
| | | | | | | | |
|---------------|----------|----------|-----------|-----------|----------|----------|-----------|
| MQS-14 | A | P | F2 | 01 | - | S | 01 |
|---------------|----------|----------|-----------|-----------|----------|----------|-----------|

| Type Ref. | Circuitry | Terminals Type | Op. force | Lever Type | Contact Plating | Versions |
|-----------|------------|------------------------------|-----------|----------------|----------------------|-------------------------|
| | A=SPDT | P= PCB terminals (straight) | F1 | 01, 02, 03 .99 | S= Std. Silver | Standard: 01 |
| | B=SPST -NC | A= Solder terminals | F2 | B1, B2, B3 .ZZ | G= Gold over silver. | Custom-made: 02, 03 ... |
| | C=SPST -NO | B= PCB terminal (right bent) | F3 | etc. | (other spec: | (Default: 01) |
| | | C= PCB terminal (left bent) | F4 | (no lever: 00) | A, B, C ..) | |
| | | D= Quick Connect terminals | | | | |

* MQS-14/MQS-15: only F4 is available
* MQS-11/1D/1E: Low voltage devices, no UL/VDE marks

Terminal Types

Type A: Solder Terminal



1: COM 2: NC 3: NO

Standard Levers

| lever type | Drawing & dimensions | OF (gf) | RF (gf) Max | OP (mm) | PT(mm) Max | OT(mm) Min | MD (mm)Max | FP (mm) max |
|------------|----------------------|-------------|-------------|----------|------------|------------|------------|-------------|
| 00 | | F1= 80 ± 20 | 10 | 8.4±0.3 | 0.6 | 0.5 | 0.2 | - |
| | | F2=130 ± 30 | 25 | 8.4±0.3 | 0.6 | 0.5 | 0.2 | - |
| | | F3=160 ± 30 | 35 | 8.4±0.3 | 0.6 | 0.5 | 0.2 | - |
| | | F4=230 ± 40 | 55 | 8.4±0.3 | 0.6 | 0.5 | 0.2 | - |
| 01 | | F1=20 ± 10 | 5 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| | | F2=30 ± 10 | 5 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| | | F3=40 ± 15 | 8 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| | | F4=50 ± 20 | 10 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| 02 | | F1=25 ± 10 | 5 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| | | F2=35 ± 15 | 5 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| | | F3=45 ± 15 | 8 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| | | F4=65 ± 20 | 15 | 9.4±1.0 | 3.0 | 1.0 | 1.0 | 12.5 |
| 03 | | F1= 10 ± 5 | 2 | 10.0±1.5 | 3.7 | 1.5 | 2.0 | 13.7 |
| | | F2=20 ± 10 | 5 | 10.0±1.5 | 3.7 | 1.5 | 2.0 | 13.7 |
| | | F3=25 ± 10 | 5 | 10.0±1.5 | 3.7 | 1.5 | 2.0 | 13.7 |
| | | F4=35 ± 10 | 5 | 10.0±1.5 | 3.7 | 1.5 | 2.0 | 13.7 |
| 04 | | F1=40 ± 15 | 8 | 9.0±0.8 | 1.8 | 0.5 | 0.8 | 10.8 |
| | | F2=65 ± 20 | 15 | 9.0±0.8 | 1.8 | 0.5 | 0.8 | 10.8 |
| | | F3=100 ± 30 | 25 | 9.0±0.8 | 1.8 | 0.5 | 0.8 | 10.8 |
| | | F4=120 ± 30 | 30 | 9.0±0.8 | 1.8 | 0.5 | 0.8 | 10.8 |
| 05 | | F1=30 ± 10 | 8 | 9.2±0.8 | 2.8 | 0.5 | 0.8 | 11.3 |
| | | F2=40 ± 20 | 10 | 9.2±0.8 | 2.8 | 0.5 | 0.8 | 11.3 |
| | | F3=60 ± 20 | 15 | 9.2±0.8 | 2.8 | 0.5 | 0.8 | 11.3 |
| | | F4=75 ± 25 | 25 | 9.2±0.8 | 2.8 | 0.5 | 0.8 | 11.3 |

| lever type | Drawing & dimensions | OF (gf) | RF (gf) Max | OP (mm) | PT(mm) Max | OT(mm) Min | MD (mm)Max | FP (mm) max |
|------------|----------------------|---------------|-------------|----------|------------|------------|------------|-------------|
| 06 | | F1=15 ±10 | 5 | 15.0±0.8 | 2.5 | 1.0 | 1.0 | 17.5 |
| | | F2=30 ± 10 | 5 | 15.0±0.8 | 2.5 | 1.0 | 1.0 | 17.5 |
| | | F3=40 ±15 | 8 | 15.0±0.8 | 2.5 | 1.0 | 1.0 | 17.5 |
| | | F4=55 ± 20 | 15 | 15.0±0.8 | 2.5 | 1.0 | 1.0 | 17.5 |
| 07 | | F1=20 ± 10 | 5 | 10.8±0.8 | 2.6 | 1.0 | 1.0 | 13.6 |
| | | F2=35 ± 15 | 5 | 10.8±0.8 | 2.6 | 1.0 | 1.0 | 13.6 |
| | | F3=45 ± 15 | 10 | 10.8±0.8 | 2.6 | 1.0 | 1.0 | 13.6 |
| | | F4=65 ± 20 | 15 | 10.8±0.8 | 2.6 | 1.0 | 1.0 | 13.6 |
| 08 | | F1=30 ± 15 | 5 | 12.0±1.0 | 3.0 | 0.8 | 0.8 | 14.5 |
| | | F2=40 ± 15 | 8 | 12.0±1.0 | 3.0 | 0.8 | 0.8 | 14.5 |
| | | F3=50 ± 20 | 15 | 12.0±1.0 | 3.0 | 0.8 | 0.8 | 14.5 |
| | | F4=65 ± 20 | 20 | 12.0±1.0 | 3.0 | 0.8 | 0.8 | 14.5 |
| 09 | | F1=25 ± 10 | 5 | 12.5±0.8 | 2.5 | 0.6 | 0.8 | 15.2 |
| | | F2=40 ± 15 | 8 | 12.5±0.8 | 2.5 | 0.6 | 0.8 | 15.2 |
| | | F3=50 ± 20 | 15 | 12.5±0.8 | 2.5 | 0.6 | 0.8 | 15.2 |
| | | F4=65 ± 20 | 20 | 12.5±0.8 | 2.5 | 0.6 | 0.8 | 15.2 |
| 10 | | F1=12gf (max) | 3 | 15.5±2.0 | 5.5 | 2.0 | 2.5 | 22.0 |

| lever type | Drawing & dimensions | OF (gf) | RF (gf) Max | OP (mm) | PT(mm) Max | OT(mm) Min | MD (mm)Max | FP (mm) max |
|------------|----------------------|------------|-------------|----------|------------|------------|------------|-------------|
| 11 | | F1=20 ± 10 | 5 | 13.0±0.8 | 2.5 | 1.0 | 1.0 | 15.3 |
| | | F2=40 ± 15 | 5 | 13.0±0.8 | 2.5 | 1.0 | 1.0 | 15.3 |
| | | F3=50 ± 20 | 10 | 13.0±0.8 | 2.5 | 1.0 | 1.0 | 15.3 |
| | | F4=65 ± 20 | 15 | 13.0±0.8 | 2.5 | 1.0 | 1.0 | 15.3 |
| 12 | | F1=20 ± 10 | 5 | 13.8±1.0 | 2.5 | 0.8 | 1.0 | 16.4 |
| | | F2=40 ± 15 | 8 | 13.8±1.0 | 2.5 | 0.8 | 1.0 | 16.4 |
| | | F3=50 ± 20 | 10 | 13.8±1.0 | 2.5 | 0.8 | 1.0 | 16.4 |
| | | F4=65 ± 20 | 15 | 13.8±1.0 | 2.5 | 0.8 | 1.0 | 16.4 |

Note: For more levers, please contact Molveno OEM Service or her sales representatives.