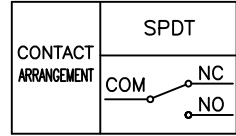
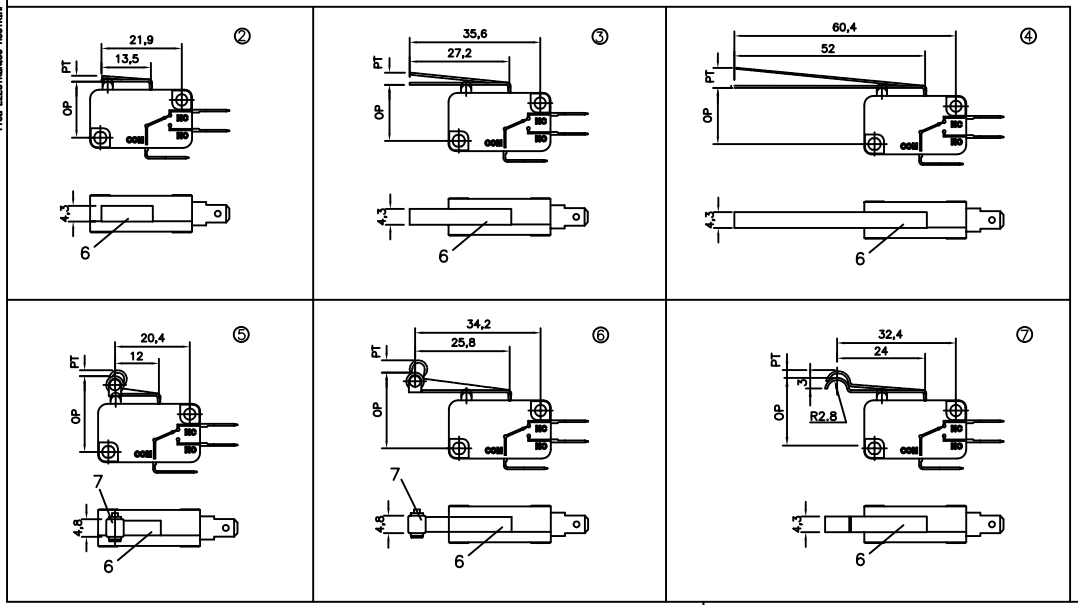


① (AS SHOWN)

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- NOTES:
- FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE.
 - ALL DIMENSIONS ARE NOMINAL. FOR REFERENCE ONLY UNLESS OTHERWISE STATED.
 - ALL DIMENSIONS ARE COMMON TO THE MAIN BODY. VARIATIONS ARE IN THE OPERATING LEVERS.
 - OP: OPERATING POSITION
FP: FREE POSITION
 - REFER PAGE 2 FOR MATERIAL INFORMATION AND SPECIFICATION DATA
 - REFER DRAWING 1988618 AND 1988619 FOR MARKING INFORMATION

| Base | TE SALES PN | TE PN | DESCRIPTION |
|-----------|-------------|-------------|----------------|
| 0,1A 100g | MP01DTASMD | 1-1478670-7 | Simu Roller ⑦ |
| | MP01DTANRD | 1-1478670-6 | Norm Roller ⑥ |
| | MP01DTASRD | 1-1478670-5 | Short Roller ⑤ |
| | MP01DTALLD | 1-1478670-4 | Long Lever ④ |
| | MP01DTANLD | 1-1478670-3 | Norm Lever ③ |
| | MP01DTASLD | 1-1478670-2 | Short Lever ② |
| | MP01DTAOLD | 1-1478670-1 | Pin Plunger ① |
| 16A 350g | MP16DTASMK | 1-1478605-7 | Simu Roller ⑦ |
| | MP16DTANRK | 1-1478605-6 | Norm Roller ⑥ |
| | MP16DTASRK | 1-1478605-5 | Short Roller ⑤ |
| | MP16DTALLK | 1-1478605-4 | Long Lever ④ |
| | MP16DTANLK | 1-1478605-3 | Norm Lever ③ |
| | MP16DTASLK | 1-1478605-2 | Short Lever ② |
| | MP16DTAOLK | 1-1478605-1 | Pin Plunger ① |
| 16A 200g | MP16DTASMG | 1-1478604-7 | Simu Roller ⑦ |
| | MP16DTANRG | 1-1478604-6 | Norm Roller ⑥ |
| | MP16DTASRG | 1-1478604-5 | Short Roller ⑤ |
| | MP16DTALLG | 1-1478604-4 | Long Lever ④ |
| | MP16DTANLG | 1-1478604-3 | Norm Lever ③ |
| | MP16DTASLG | 1-1478604-2 | Short Lever ② |
| | MP16DTAOLG | 1-1478604-1 | Pin Plunger ① |
| 16A 160g | MP16DTASME | 1-1478603-7 | Simu Roller ⑦ |
| | MP16DTANRE | 1-1478603-6 | Norm Roller ⑥ |
| | MP16DTASRE | 1-1478603-5 | Short Roller ⑤ |
| | MP16DTALLE | 1-1478603-4 | Long Lever ④ |
| | MP16DTANLE | 1-1478603-3 | Norm Lever ③ |
| | MP16DTASLE | 1-1478603-2 | Short Lever ② |
| | MP16DTAOLE | 1-1478603-1 | Pin Plunger ① |

| PART NO: | PART NAME: | MATERIAL/SURFACE: | OPTIONAL DESCRIPTION |
|--|------------|---|----------------------|
| PART LIST | | | |
| test dimen / Prüfmaß | | DIMENSIONS: mm | |
| production control dimen / Fertigungskontrollmaß | | [] dimen. for res2, technology / nesstechn. rel. Maß [] | |
| DEPARTMENT | DATE | RSF | Tyco Electronics |
| DRAWER | 10-01-08 | SA008712 | |
| CHECKED | | | |
| J | 21-04-09 | VEIH | TOLERANCES SPECIFIED |
| ECR-NO: | DATE | NAME | INFO |
| APPROVED | DATE | NAME | |

TOLERANCES UNLESS OTHERWISE SPECIFIED

x +/-0,5mm
 .xx +/-0,2mm
 .xxx +/-0,1mm

SCALE: NAME: MICRO SWITCH DT
 SOLDER TERMINAL

DWG NO: 1968580
 OPTIONAL NO:

REPLACEMENT FOR: DWG LDC NO: IF SHEET: 1 OF 2 REVISION: J A 2

THIS DRAWING IS A CONTROLLED DOCUMENT, HANDWRITTEN CHANGES ARE NOT ALLOWED

| SPECIFICATION DATA | | |
|---|---|--|
| Amp Rating | 16 | 0,1 |
| Insulation Resistance | min. 100 Mohm | |
| Contact Resistance | max 50 m ohm | |
| Dielectric Strength | AC 1.000V60sec | |
| Operating Speed | 0,2mm/sec - 1,000mm/sec | 1mm/sec - 500mm/sec |
| Max allowed Mechanical Open/Close Frequencies | 300 Cycles/min | |
| Shock Resistance (Without Lever) | 300mm/sec ² | |
| Vibration Resistance (Without Lever) | 1.5mm 10-55 Hz (2Hr) | |
| Electrical Life | 50.000 cycles @16A 250VAC resistive load | 10.000 cycles @0,1A 250VAC resistive load |
| Mechanical Life | 1.000.000 cycles | |
| Safety Approval | UL / CUL / ENEC | UL / CUL |
| Operating Temperature Range | -25°C to +130°C RH85% Max | |

| TYCO PN | CHARACTERISTICS | | | | | |
|-------------|-----------------|-----------------|------------|--------------------|-------------|-----------------------|
| | Operating Force | Releasing Force | Pre Travel | Operating Position | Over Travel | Movement Differential |
| | max | min | max | | min | max |
| 1-1478603-1 | 160 ± 30 g | 50 g | 1,2 mm | 14,7 ± 0,5 mm | 1,25mm | 0,4 mm |
| 1-1478603-2 | 160 ± 45 g | 50 g | 1,6 mm | 15,3 ± 0,5 mm | 1,50 mm | 0,5 mm |
| 1-1478603-3 | 75 ± 20 g | 30 g | 3,3 mm | 15,3 ± 1,5 mm | 2,5 mm | 1,2 mm |
| 1-1478603-4 | 40 ± 15 g | 15 g | 6,2 mm | 15,3 ± 2,0 mm | 4,4 mm | 2,2 mm |
| 1-1478603-5 | 160 ± 40 g | 50 g | 1,6 mm | 20,7 ± 2,0 mm | 1,5 mm | 0,5 mm |
| 1-1478603-6 | 60 ± 15 g | 25 g | 3,7 mm | 20,7 ± 1,5 mm | 3,3 mm | 1,3 mm |
| 1-1478603-7 | 85 ± 20 g | 30 g | 2,8 mm | 18,7 ± 1,5 mm | 2,4 mm | 1,1 mm |
| 1-1478604-1 | 200 ± 40 g | 55 g | 1,2 mm | 14,7 ± 0,5 mm | 1,25mm | 0,4 mm |
| 1-1478604-2 | 200 ± 45 g | 55 g | 1,6 mm | 15,3 ± 0,5 mm | 1,50 mm | 0,5 mm |
| 1-1478604-3 | 95 ± 20 g | 40 g | 3,3 mm | 15,3 ± 1,5 mm | 2,5 mm | 1,2 mm |
| 1-1478604-4 | 50 ± 15 g | 20 g | 6,2 mm | 15,3 ± 2,0 mm | 4,4 mm | 2,2 mm |
| 1-1478604-5 | 200 ± 45 g | 55 g | 1,6 mm | 20,7 ± 2,0 mm | 1,5 mm | 0,5 mm |
| 1-1478604-6 | 75 ± 20 g | 30 g | 3,7 mm | 20,7 ± 1,5 mm | 3,3 mm | 1,3 mm |
| 1-1478604-7 | 105 ± 20 g | 40 g | 2,8 mm | 18,7 ± 1,5 mm | 2,4 mm | 1,1 mm |
| 1-1478605-1 | 350 ± 40 g | 80 g | 1,2 mm | 14,7 ± 0,5 mm | 1,25mm | 0,4 mm |
| 1-1478605-2 | 350 ± 50 g | 80 g | 1,6 mm | 15,3 ± 0,5 mm | 1,50 mm | 0,5 mm |
| 1-1478605-3 | 170 ± 30 g | 50 g | 3,3 mm | 15,3 ± 1,5 mm | 2,5 mm | 1,2 mm |
| 1-1478605-4 | 85 ± 20 g | 30 g | 6,2 mm | 15,3 ± 2,0 mm | 4,4 mm | 2,2 mm |
| 1-1478605-5 | 350 ± 50 g | 80 g | 1,6 mm | 20,7 ± 2,0 mm | 1,5 mm | 0,5 mm |
| 1-1478605-6 | 140 ± 30 g | 45 g | 3,7 mm | 20,7 ± 1,5 mm | 3,3 mm | 1,3 mm |
| 1-1478605-7 | 180 ± 30 g | 50 g | 2,8 mm | 18,7 ± 1,5 mm | 2,4 mm | 1,1 mm |
| 1-1478670-1 | 100 ± 25 g | 20 g | 1,2 mm | 14,7 ± 0,5 mm | 1,25mm | 0,4 mm |
| 1-1478670-2 | 100 ± 30 g | 20 g | 1,6 mm | 15,3 ± 0,5 mm | 1,50 mm | 0,5 mm |
| 1-1478670-3 | 50 ± 15 g | 15 g | 3,3 mm | 15,3 ± 1,5 mm | 2,5 mm | 1,2 mm |
| 1-1478670-4 | 25 ± 10 g | 8 g | 6,2 mm | 15,3 ± 2,0 mm | 4,4 mm | 2,2 mm |
| 1-1478670-5 | 100 ± 30 g | 20 g | 1,6 mm | 20,7 ± 2,0 mm | 1,5 mm | 0,5 mm |
| 1-1478670-6 | 40 ± 15 g | 10 g | 3,7 mm | 20,7 ± 1,5 mm | 3,3 mm | 1,3 mm |
| 1-1478670-7 | 55 ± 15 g | 15 g | 2,8 mm | 18,7 ± 1,5 mm | 2,4 mm | 1,1 mm |

| MAJOR COMPONENT & MATERIAL LIST 16A Type | | | | |
|--|--------------|---------------------|----------|----------------|
| NO | PART NAME | MATERIAL | UL FRAME | FINISH (COLOR) |
| 1 | Box | P.B.T. Resin | 94 V-0 | grey |
| 2 | Cover | | | |
| 3 | Contact | Ag alloy / Cu | | |
| | Terminal | Brass Sheet (t=0,8) | | Silver Plating |
| 4 | Contact | Ag alloy | | |
| | Spring Plate | Beryllium Copper | | |
| 5 | Terminal | Brass Sheet (t=0,8) | | Silver Plating |
| | Button | P.B.T. Resin | 94 V-0 | black |
| 6 | Lever | Stainless Steel | | |
| 7 | Roller | Stainless Steel | | |

| MAJOR COMPONENT & MATERIAL LIST 0,1A Type | | | | |
|---|--------------|---------------------|----------|----------------|
| NO | PART NAME | MATERIAL | UL FRAME | FINISH (COLOR) |
| 1 | Box | PET Resin | 94 V-0 | grey |
| 2 | Cover | | | |
| 3 | Contact | Ag alloy / Cu | | |
| | Terminal | Brass Sheet (t=0,8) | | Silver Plating |
| 4 | Contact | Ag alloy | | |
| | Spring Plate | Beryllium Copper | | |
| 5 | Terminal | Brass Sheet (t=0,8) | | Silver Plating |
| | Button | PPS Resin | 94 V-0 | black |
| 6 | Lever | Stainless Steel | | |
| 7 | Roller | Stainless Steel | | |

| | | | |
|---|----------------|-------------------|-----------------------|
| PART NO: | PART NAME: | MATERIAL/SURFACE: | OPTIONAL DESCRIPTION: |
| PART LIST | | DIMENSIONS: mm | |
| test dimen. / Prüfmaß () ; auxiliary dimen. / Hilfsmaß () ; theor. dimen. / theor. Maß () ; production control dimen. / Fertigungskontrollmaß () ; dimen. for measure. technology / messtechn. rel. Maß () [] | | | |
| DEPARTMENT | DLE / RSF | SA008712 | |
| DRAWER | CHECKED | J | |
| J | 21-04-09 | VEIH | TOLERANCES SPECIFIED |
| ECR-NO: | DATE | NAME | INFO |
| SCALE: | NAME: | DATE | NAME |
| MICRO SWITCH DT | | DVG NO: 1968580 | |
| SOLDER TERMINAL | | OPTIONAL NO: | |
| REPLACEMENT FOR: | DVG LDC NO: IF | SHEET: 2 OF 2 | REVISION: J |

TOLERANCES UNLESS OTHERWISE SPECIFIED

.x +/-0,5mm
.xx +/-0,2mm
.xxx +/-0,1mm

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