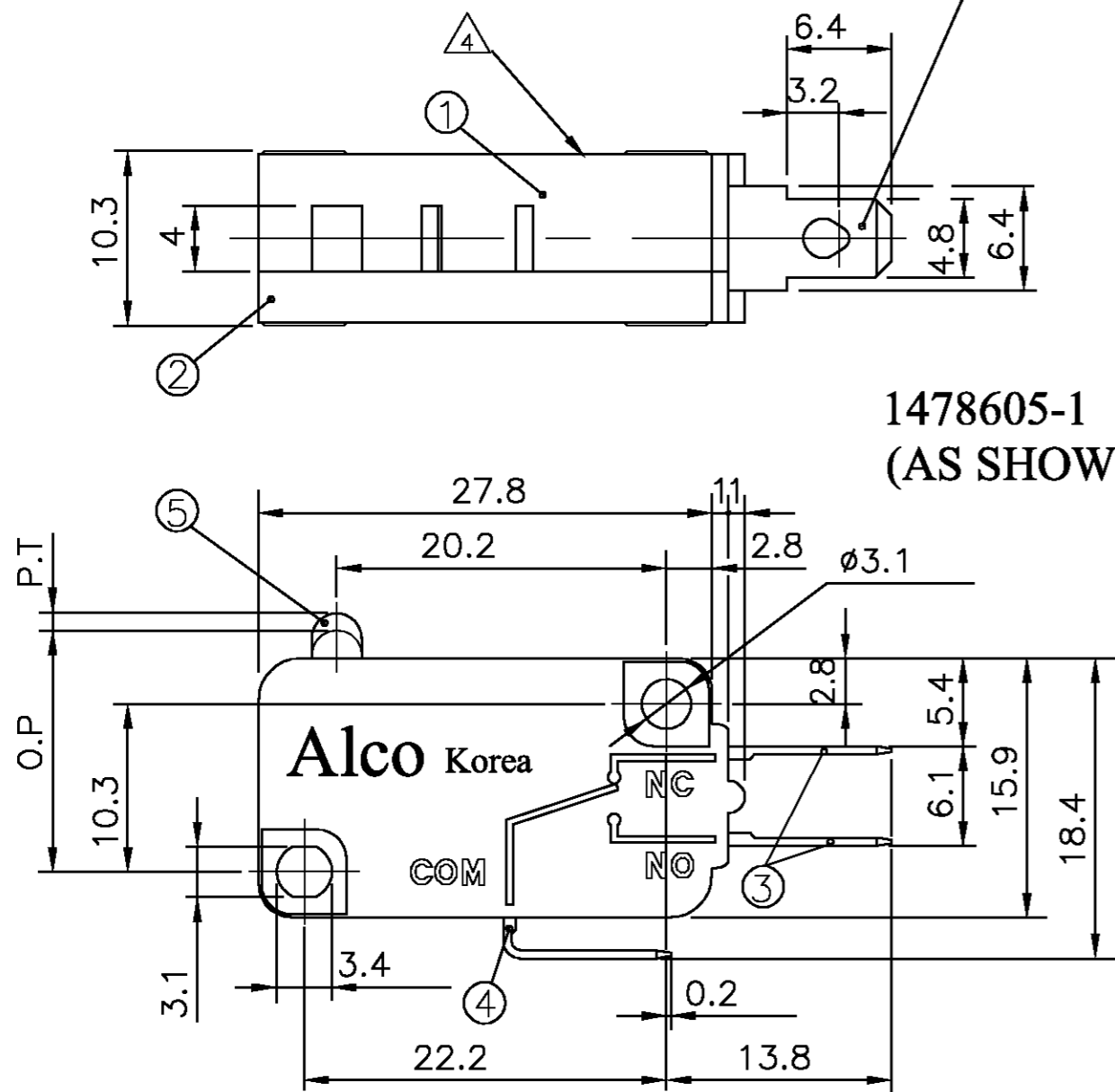


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| LOC | | DIST | | REVISIONS | | | |
|-----|-----|-------------|--------------|-----------|-----|------|--|
| P | LTR | DESCRIPTION | | DATE | DWN | APVD | |
| E | B | E | EBDO-0129-03 | 04-06-03 | SS | JA | |

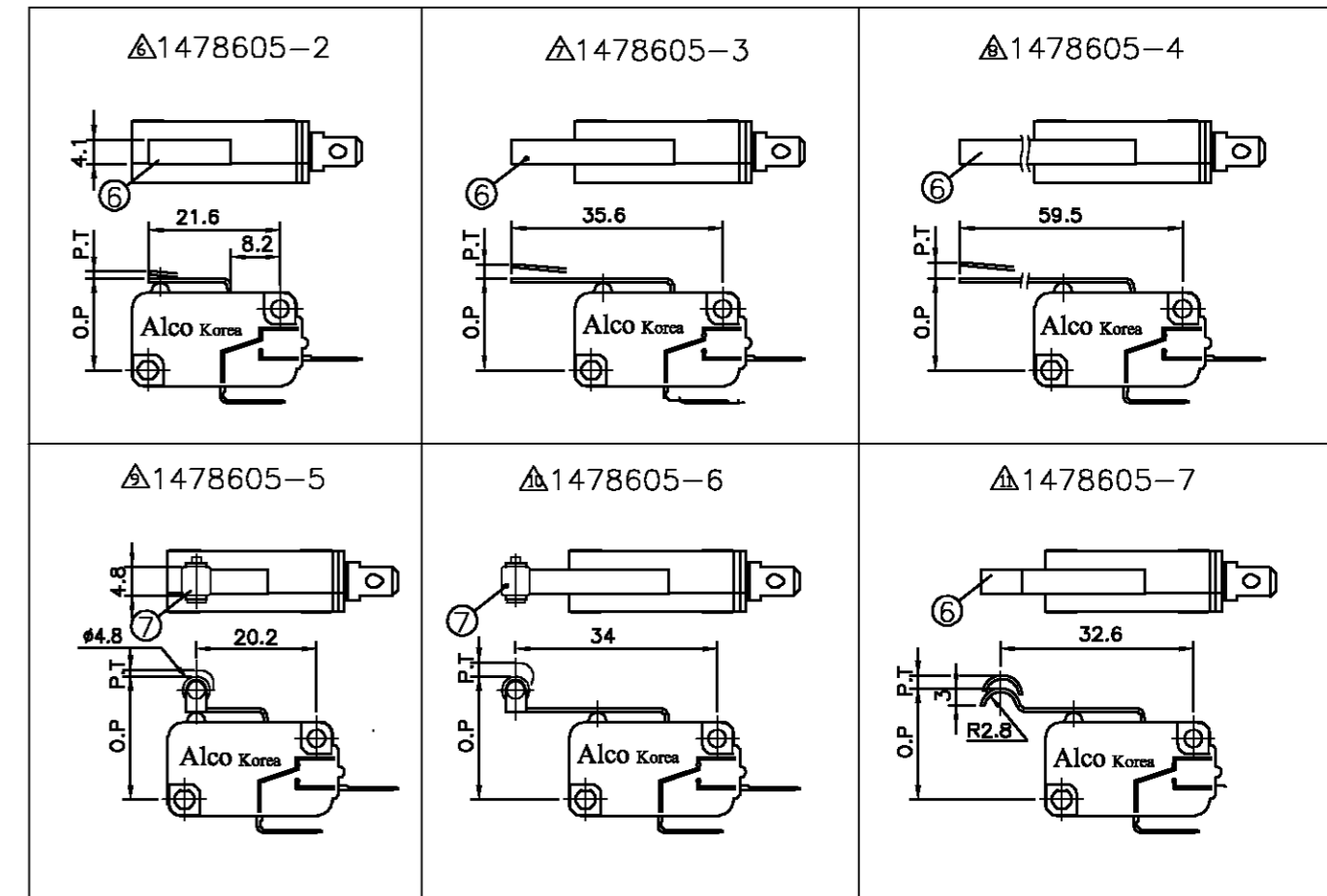
.187 TAB & SOLDERING TERMINAL, 0.5mm THICK.



1478605-1
(AS SHOWN)

SPECIFICATION DATA

| | Minature Range | | |
|---|--|---|----------------------------------|
| | 16 | 5 | 0.1 |
| Amp Rating | 16 | 5 | 0.1 |
| Insulation Resistance | Min. 100M ohm | | |
| Contact Resistance | Max 15 M ohm | | Max 50 M ohm |
| Dielectric Strength | Between Non-consecutive terminals | | AC 2,000V |
| | Between Non-consecutive terminals | | AC 2,000V |
| Operating Speed | 0.2mm/sec - 1,000mm/sec | | 1mm/sec - 500mm/sec |
| Max allowed Mechanical Open/Close Frequencies | 600 Cycles/min | | 300 Cycles/min |
| Shock Resistance (Without Lever) | 300mm/sec sq (approx 30G) | | |
| Vibration Resistance (Without Lever) | 1.5mm 10-55 Hz (2Hr) | | 1.5mm 10 - 20Hz (2 Hr) |
| Electrical Life | 100,000 Operations at Rated Load (Max 20 Operations/min) | | 1,000,000 Operations |
| Mechanical Life | 10,000,000 Operations (Max 200 operations/min) | | |
| Safety Approval | UL / CSA / VDE | | |
| Operating Temperature Range | -20 deg C to 130 deg C RH85% Max | | -30 deg C to 130 deg C RH90% Max |
| UL File No. | E60363 | | |
| CSA File No | 218582 | | |
| VDE File No. | 40006699 | | 40006698 |



NOTES:

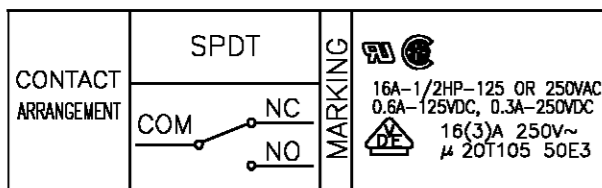
1 FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE.

ALL DIMENSIONS ARE NOMINAL. FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

3 ALL DIMENSIONS ARE COMMON TO THE MAIN BODY. VARIATIONS ARE IN THE OPERATING LEVERS.

4 TYCO PART NUMBER AND LOT No. INKJET MARKED IN THIS AREA.

5 GENERAL INFO.



6 FOR PACKAGING INFORMATION SEE SPEC. 107-115

| DRAWING NO | △ | CHARACTERISTICS | | | | | |
|------------|-----------|-----------------|-----------------|-------------|--------------------|-------------|-----------------------|
| | | Operating Force | Releasing Force | Pre Travel | Operating Position | Over Travel | Movement Differential |
| 1 | 1478605-1 | Max 300 g | Min 70 g | Max 1.6 m/m | 14.8 ±0.4 m/m | Min 0.8 m/m | Max 0.4 m/m |
| 2 | 1478605-2 | 330 g | 70 g | 1.6 m/m | 15.4 ±0.4 m/m | 0.8 m/m | 0.4 m/m |
| 3 | 1478605-3 | 180 g | 30 g | 4.0 m/m | 15.4 ±1.4 m/m | 1.3 m/m | 1.2 m/m |
| 4 | 1478605-4 | 90 g | 15 g | 7.5 m/m | 15.4 ±3.0 m/m | 2.6 m/m | 2.4 m/m |
| 5 | 1478605-5 | 350 g | 70 g | 1.6 m/m | 20.7 ±0.8 m/m | 0.8 m/m | 0.4 m/m |
| 6 | 1478605-6 | 180 g | 30 g | 4.0 m/m | 20.7 ±1.6 m/m | 1.3 m/m | 1.2 m/m |
| 7 | 1478605-7 | 180 g | 30 g | 4.0 m/m | 18.6 ±1.5 m/m | 1.3 m/m | 1.2 m/m |

| | | |
|----|-----------------|------|
| 7 | ROLLER | (1) |
| 6 | LEVER | (1) |
| 5 | BUTTON | 1 |
| 4 | COMMON TERMINAL | 1 |
| 3 | TERMINAL | 2 |
| 2 | COVER | 1 |
| 1 | BOX | 1 |
| NO | PART NAME | Q'TY |

| | | | | | |
|--------------|-------------|---------------------------|------|------|--------|
| MP16-DT-ASMF | △ 1478605-7 | Microswitch, Simu Lever | Blue | 1000 | CARTON |
| MP16-DT-ANRF | △ 1478605-6 | Microswitch, Norm Roller | Blue | 800 | CARTON |
| MP16-DT-ASRK | △ 1478605-5 | Microswitch, Short Roller | Blue | 1000 | CARTON |
| MP16-DT-ALLC | △ 1478605-4 | Microswitch, Long Lever | Blue | 600 | CARTON |
| MP16-DT-ANLF | △ 1478605-3 | Microswitch, Norm Lever | Blue | 800 | CARTON |
| MP16-DT-ASLJ | △ 1478605-2 | Microswitch, Short Lever | Blue | 1000 | CARTON |
| MP16-DT-AOLI | 1478605-1 | Microswitch, Pin Plunger | Blue | 1000 | CARTON |

TYCO SALES PART No. TYCO PART NO. DESCRIPTION COLOUR QTY PACK DESC

| | | | | | |
|--|--|----------------------|---|--|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN P. Bates 3-10-01 | tyco Electronics | | Tyco Electronics Corporation Bideford, Devon, EX39 4HE |
| DIMENSIONS: MM | | CHK - | NAME | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD - | PRODUCT SPEC | | |
| 0 PLC ± - | | APVD - | APPLICATION SPEC | | |
| 1 PLC ± 0.4 | | APVD - | WEIGHT | | |
| 2 PLC ± 0.4 | | APVD - | SCALE | | |
| 3 PLC ± - | | APVD - | SHEET | | |
| 4 PLC ± - | | APVD - | REV | | |
| ANGLES ± - | | APVD - | RESTRICTED TO | | |
| FINISH - | | APVD - | CUSTOMER DRAWING | | |
| | | APVD - | SCALE 1:1 SHEET 1 OF 2 REV E | | |
| | | APVD - | SIZE CAGE CODE DRAWING NO | | |
| | | APVD - | A2 00779 C=1478605 | | |
| | | APVD - | MICRO SWITCH 16A SOLDER TERMINAL 300g RANGE | | |


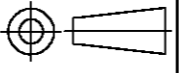
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| LOC | | DIST | | REVISIONS | | | |
|-----|-----|-------------|--------------|-----------|------|----|--|
| P | LTR | DESCRIPTION | DATE | DWN | APVD | | |
| E | B | E | EBDO-0129-03 | 04-06-03 | SS | JA | |

MAJOR COMPONENT & MATERIAL LIST

| NO | PART NAME | MATERIAL | Q'ty | UL FRAME | FINISH (COLOR) |
|----|-------------------|---|------|----------|----------------|
| 1 | CASE | P.B.T RESIN | 1 | 94 V-0 | |
| 2 | COVER | | 1 | | |
| 3 | MOVABLE CONTACTOR | Brass Sheet t=0.4 | 1 | | SILVER PLATING |
| 4 | GUIDE PLATE | Brass Sheet t=0.8 | 1 | | SILVER PLATING |
| 5 | COMMON TERMINAL | Brass Sheet t=0.8 | 1 | | SILVER PLATING |
| 6 | PLATE SPRING | Beryllium Copper Sheet (t=0.1~ 0.25) | 1 | | |
| 7 | TERMINAL AID | Brass Sheet (t=0.8) | 0 | | |
| 8 | CONTACT | Ag alloy(AgCdO,AgSnO2) | 3 | | |
| 9 | TERMINAL | Brass Sheet (t=0.8) | 2 | | SILVER PLATING |
| 10 | ACTUATOR | PHENOLIC RESIN | 1 | 94 V-0 | |
| 11 | LEVER | Stainless SteelSheet (t=0.6) | (1) | | |

() = Where Applicable

| | | | | |
|---|--|------------------------------------|---|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN S.Shackson 04-06-03 |  Tyco Electronics Corporation Bideford, Devon, EX39 4HE | |
| DIMENSIONS: MM | | CHK F.Wheeler-King 04-06-03 | | |
|  | | APVD F.Wheeler-King 04-06-03 | NAME MICRO SWITCH 16A SOLDER TERMINAL 300g RANGE | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC | SIZE A2 | |
| 0 PLC ± - | | APPLICATION SPEC | CAGE CODE 00779 | DRAWING NO C=1478605 |
| 1 PLC ± - | | WEIGHT | RESTRICTED TO | |
| 2 PLC ± - | | | | |
| 3 PLC ± - | | | | |
| 4 PLC ± - | | | | |
| ANGLES ± - | | | | |
| FINISH | | | | |
| MATERIAL | | | | |
| | | CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 2 |
| | | | REV E | |