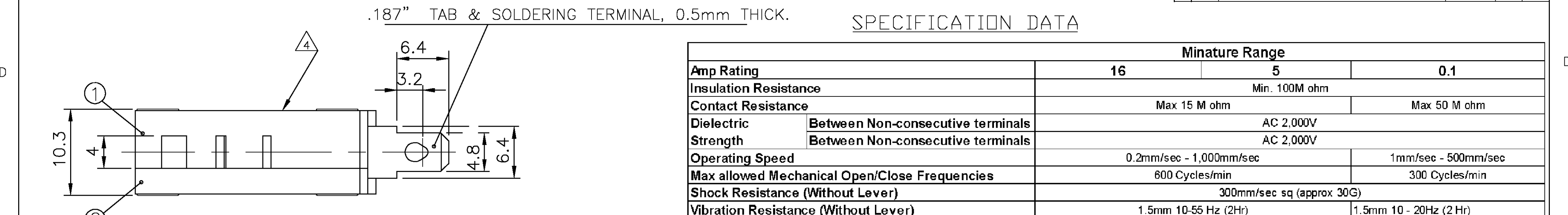
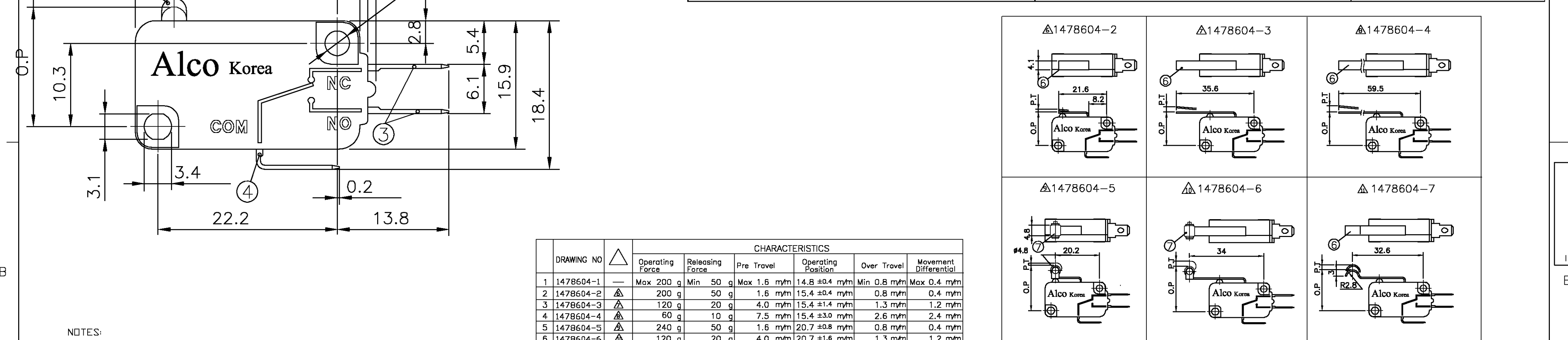


SPECIFICATION DATA



| Minature Range                                |                                                          |   |                                  |
|-----------------------------------------------|----------------------------------------------------------|---|----------------------------------|
| 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.

2

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.

| DRAWING NO  | △ | Operating Force | Releasing Force | Pre Travel  | Operating Position | Over Travel | Movement Differential |
|-------------|---|-----------------|-----------------|-------------|--------------------|-------------|-----------------------|
| 1 1478604-1 | — | Max 200 g       | Min 50 g        | Max 1.6 mym | 14.8 ±0.4 mym      | Min 0.8 mym | Max 0.4 mym           |
| 2 1478604-2 | △ | 200 g           | 50 g            | 1.6 mym     | 15.4 ±0.4 mym      | 0.8 mym     | 0.4 mym               |
| 3 1478604-3 | △ | 120 g           | 20 g            | 4.0 mym     | 15.4 ±1.4 mym      | 1.3 mym     | 1.2 mym               |
| 4 1478604-4 | △ | 60 g            | 10 g            | 7.5 mym     | 15.4 ±3.0 mym      | 2.6 mym     | 2.4 mym               |
| 5 1478604-5 | △ | 240 g           | 50 g            | 1.6 mym     | 20.7 ±0.8 mym      | 0.8 mym     | 0.4 mym               |
| 6 1478604-6 | △ | 120 g           | 20 g            | 4.0 mym     | 20.7 ±1.6 mym      | 1.3 mym     | 1.2 mym               |
| 7 1478604-7 | △ | 120 g           | 20 g            | 4.0 mym     | 18.6 ±1.5 mym      | 1.3 mym     | 1.2 mym               |

|    |                 |      |
|----|-----------------|------|
| 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 |

CONTACT ARRANGEMENT

SPDT

COM

NC

NO

MARKING

16A-1/2HP-125 OR 250VAC

0.6A-125VDC, 0.3A-250VDC

16(3)A 250V~

μ 20T105 50E3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± 0.4

2 PLC ± 0.4

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

03-10-01

03-10-01

03-10-01

—

—

—

tyco Electronics

Tyco Electronics Corporation

Bideford, Devon, EX39 4HE

NAME

MICRO SWITCH 16A

SOLDER TERMINAL

200g RANGE

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1478604

—

SCALE

1:1

SHEET

1

OF

2

REV

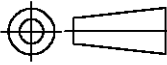
E

| LOC | DIST | REVISIONS |     |              |          |     |      |
|-----|------|-----------|-----|--------------|----------|-----|------|
|     |      | P         | LTR | DESCRIPTION  | DATE     | DWN | APVD |
| E   | B    |           | E   | EBD0-0129-03 | 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<br>t=0.4                    | 1    |          | SILVER PLATING |
| 4  | GUIDE PLATE       | Brass Sheet<br>t=0.8                    | 1    |          | SILVER PLATING |
| 5  | COMMON TERMINAL   | Brass Sheet<br>t=0.8                    | 1    |          | SILVER PLATING |
| 6  | PLATE SPRING      | Beryllium Copper Sheet<br>(t=0.1~ 0.25) | 1    |          |                |
| 7  | TERMINAL AID      | Brass Sheet<br>(t=0.8)                  | 0    |          |                |
| 8  | CONTACT           | Ag alloy(AgCdO,AgSnO2)                  | 3    |          |                |
| 9  | TERMINAL          | Brass Sheet<br>(t=0.8)                  | 2    |          | SILVER PLATING |
| 10 | ACTUATOR          | PHENOLIC RESIN                          | 1    | 94 V-0   |                |
| 11 | LEVER             | Stainless SteelSheet<br>(t=0.6)         | (1)  |          |                |

( ) = Where Applicable

|                                                                                       |  |                                    |                                                                                                                                                                        |           |            |               |
|---------------------------------------------------------------------------------------|--|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>S.Shackson<br>04-06-03      | <div></div> <div>Tyco Electronics Corporation<br/>Bideford, Devon, EX39 4HE</div> |           |            |               |
| DIMENSIONS:<br>MM                                                                     |  | CHK<br>F.Wheeler-King<br>04-06-03  |                                                                                                                                                                        |           |            |               |
|  |  | APVD<br>F.Wheeler-King<br>04-06-03 |                                                                                                                                                                        |           |            |               |
|                                                                                       |  | NAME                               |                                                                                                                                                                        |           |            |               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  | PRODUCT SPEC                       | MICRO SWITCH 16A<br>SOLDER TERMINAL<br>200g RANGE                                                                                                                      |           |            |               |
| 0 PLC ± -<br>1 PLC ± 0.4<br>2 PLC ± 0.4<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± -       |  | APPLICATION SPEC                   |                                                                                                                                                                        |           |            |               |
| MATERIAL                                                                              |  | WEIGHT                             | SIZE                                                                                                                                                                   | CAGE CODE | DRAWING NO | RESTRICTED TO |
| -                                                                                     |  | -                                  | A2                                                                                                                                                                     | 00779     | C=1478604  | -             |
| CUSTOMER DRAWING                                                                      |  |                                    | SCALE                                                                                                                                                                  | 1:1       | SHEET      | 2 OF 2        |
|                                                                                       |  |                                    | REV                                                                                                                                                                    | E         |            |               |