

|                              |     |                           |  |           |     |           |  |
|------------------------------|-----|---------------------------|--|-----------|-----|-----------|--|
| 4                            |     | 3                         |  | 2         |     | 1         |  |
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| P                            | LTR | DESCRIPTION               |  | DATE      | DWN | APVD      |  |
|                              | B7  | REVISED PER ECO-12-002360 |  | 07FEB12   | KH  | PO        |  |
|                              | B8  | REVISED PER ECO-16-017354 |  | 10MAR2017 | RK  | AS        |  |

|                                 |                                                 |                                             |
|---------------------------------|-------------------------------------------------|---------------------------------------------|
| Specifications                  |                                                 |                                             |
|                                 | UP01                                            | UP03                                        |
| Rating                          | .1A @ 30 VDC                                    | 3A @ 125 VAC                                |
| UL/CuL rating                   | .1A @ 125 VAC                                   | 3A @ 125 VAC                                |
| Contact resistance, initial     | 100 milliohms max.                              |                                             |
| Insulation resistance           | 100 megohms min, 500 VDC, 1 minute hold         |                                             |
| Dielectric withstanding voltage | 1,000 VAC, 1 minute hold                        |                                             |
| Life expectancy, mechanical     | 1,000,000 cycles @ 200 cycles/min.              |                                             |
| Life expectancy, electrical     | 1,000,000 cycles @ 200 cycles/min., .1A @ 30VDC | 6,000 cycles @ 10 cycles/min., 3A @ 125 VAC |
| Operating temperature           | -40°C to +80°C (With no icing)                  |                                             |
| Storage temperature             | -25°C to +85°C                                  |                                             |
| Storage humidity                | 85% RH max.                                     |                                             |

|                                                                                                                                  |                                                               |                 |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------|
| Materials                                                                                                                        |                                                               |                 |
| Finish                                                                                                                           | Manufacturer                                                  | Item Name       |
|                                                                                                                                  | Nylon, 30% GF, Black, UL94 V-0                                | Housing         |
|                                                                                                                                  | PBT, 30% GF, Black, UL94V-0                                   | Cover           |
|                                                                                                                                  | Nylon, 30% GF, Gray, UL94V-0                                  | Button          |
| contact area: 3 microinches min. Au over 30-60 microinches Ni<br>solder area: 60 microinches min. SnCu over 30-60 microinches Ni | Brass                                                         | Common Terminal |
| contact area: 3 microinches min. Au over 30-60 microinches Ni<br>solder area: 60 microinches min. SnCu over 30-60 microinches Ni | Brass (.1A rated parts)<br>Brass with silver inlay (3A parts) | NO Terminal     |
| contact area: 3 microinches min. Au over 30-60 microinches Ni<br>solder area: 60 microinches min. SnCu over 30-60 microinches Ni | Brass (.1A rated parts)<br>Brass with silver inlay (3A parts) | NC Terminal     |
| none                                                                                                                             | Copper alloy with silver slug                                 | Spring contact  |

1

ALL MATERIAL AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

2

PER TABULATION COLUMN RATING, UP AND AGENCY MARKINGS.

|          |                         |                                 |                      |                     |                         |                        |                          |            |           |          |                    |                    |              |           |
|----------|-------------------------|---------------------------------|----------------------|---------------------|-------------------------|------------------------|--------------------------|------------|-----------|----------|--------------------|--------------------|--------------|-----------|
| OBSOLETE | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 5                      | 30                       | straight   | pcb right | SPDT     | 3A @ 125VAC        | UP3DTCNLB04        | 2-1825043-4  |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 8                      | 50                       | straight   | pcb right | SPDT     | 3A @ 125VAC        | UP3DTCNLA04        | 2-1825043-3  |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 21                     | 80                       | none       | pcb right | SPDT     | 3A @ 125VAC        | UP3DTCOLB04        | 2-1825043-2  |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 35                     | 150                      | none       | pcb right | SPDT     | 3A @ 125VAC        | UP3DTCOLA04        | 2-1825043-1  |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 5                      | 30                       | straight   | pcb left  | SPDT     | 3A @ 125VAC        | UP3DTBNLB04        | 2-1825043-0  |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 8                      | 50                       | straight   | pcb left  | SPDT     | 3A @ 125VAC        | UP3DTBNLA04        | 1-1825043-9  |           |
| OBSOLETE | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 21                     | 80                       | none       | pcb left  | SPDT     | 3A @ 125VAC        | UP3DTBOLB04        | 1-1825043-8  |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 35                     | 150                      | none       | pcb left  | SPDT     | 3A @ 125VAC        | UP3DTBOLA04        | 1-1825043-7  |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 5                      | 30                       | straight   | pcb       | SPDT     | 3A @ 125VAC        | UP3DTANLB04        | 1-1825043-6  |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 8                      | 50                       | straight   | pcb       | SPDT     | 3A @ 125VAC        | UP3DTANLA04        | 1-1825043-5  |           |
| OBSOLETE | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 21                     | 80                       | none       | pcb       | SPDT     | 3A @ 125VAC        | UP3DTAOLB04        | 1-1825043-4  |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 35                     | 150                      | none       | pcb       | SPDT     | 3A @ 125VAC        | UP3DTAOLA04        | 1-1825043-3  |           |
| OBSOLETE | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 5                      | 30                       | straight   | pcb right | SPDT     | .1A @ 125VAC/30VDC | UP01DTCNLB04       | 1-1825043-2  |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 8                      | 50                       | straight   | pcb right | SPDT     | .1A @ 125VAC/30VDC | UP01DTCNLA04       | 1-1825043-1  |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 21                     | 80                       | none       | pcb right | SPDT     | .1A @ 125VAC/30VDC | UP01DTCOLB04       | 1-1825043-0  |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 35                     | 150                      | none       | pcb right | SPDT     | .1A @ 125VAC/30VDC | UP01DTCOLA04       | 1825043-9    |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 5                      | 30                       | straight   | pcb left  | SPDT     | .1A @ 125VAC/30VDC | UP01DTBNLB04       | 1825043-8    |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 8                      | 50                       | straight   | pcb left  | SPDT     | .1A @ 125VAC/30VDC | UP01DTBNLA04       | 1825043-7    |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 21                     | 80                       | none       | pcb left  | SPDT     | .1A @ 125VAC/30VDC | UP01DTBOLB04       | 1825043-6    |           |
|          | OBSOLETE                | 7.35                            | .12                  | .2                  | .62                     | 6.9 +/-.3              | 35                       | 150        | none      | pcb left | SPDT               | .1A @ 125VAC/30VDC | UP01DTBOLA04 | 1825043-5 |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 5                      | 30                       | straight   | pcb       | SPDT     | .1A @ 125VAC/30VDC | UP01DTANLB04       | 1825043-4    |           |
|          | 10.1                    | .80                             | .6                   | 3                   | 7.9 +/-.8               | 8                      | 50                       | straight   | pcb       | SPDT     | .1A @ 125VAC/30VDC | UP01DTANLA04       | 1825043-3    |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 21                     | 80                       | none       | pcb       | SPDT     | .1A @ 125VAC/30VDC | UP01DTAOLB04       | 1825043-2    |           |
|          | 7.35                    | .12                             | .2                   | .62                 | 6.9 +/-.3               | 35                     | 150                      | none       | pcb       | SPDT     | .1A @ 125VAC/30VDC | UP01DTAOLA04       | 1825043-1    |           |
|          | Free Position max. (mm) | Movement Differential max. (mm) | Overtravel min. (mm) | Pretravel max. (mm) | Operating Position (mm) | Release Force min. (g) | Operating Force max. (g) | Lever Type | Terminal  | Action   | Rating             | Alco P/N           | Part Number  |           |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -  
1 PLC ± -  
2 PLC ± 0.40  
3 PLC ± -  
4 PLC ± -  
ANGLES ± 1°

FINISH

MATERIAL

-

DWN  
M.BINNER  
31JAN2005

CHK  
M. ZITTO  
31JAN2005

APVD  
M. ZITTO  
31JAN2005

PRODUCT SPEC

APPLICATION SPEC

WEIGHT  
0

CUSTOMER DRAWING

31JAN2005

31JAN2005

31JAN2005

NAME

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1825043

RESTRICTED TO

TE Connectivity

SWITCH, SNAP ACTION, ULTRAMINIATURE

SCALE  
6:1

SHEET  
1 of 2

REV  
B8



|                                                                                                            |  |                                                                                                                           |  |                                                                                                       |  |                                                                                   |  |
|------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |  | DWN<br>M. BINNER<br>31JAN2005<br>CHK<br>M. ZITTO<br>31JAN2005                                                             |  |  TE Connectivity |  |                                                                                   |  |
| DIMENSIONS:<br>mm<br> |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.40<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± 1° |  | APVD<br>M. ZITTO<br>31JAN2005<br>NAME<br>SWITCH, SNAP ACTION,<br>ULTRAMINIATURE                       |  | PRODUCT SPEC<br>—<br>APPLICATION SPEC<br>—                                        |  |
| MATERIAL<br>—                                                                                              |  | FINISH<br>—                                                                                                               |  | WEIGHT<br>—                                                                                           |  | SIZE<br>A2<br>CAGE CODE<br>00779<br>DRAWING NO<br>C-1825043<br>RESTRICTED TO<br>— |  |
| CUSTOMER DRAWING                                                                                           |  |                                                                                                                           |  |                                                                                                       |  | SCALE<br>6:1<br>SHEET<br>2 of 2<br>REV<br>B8                                      |  |

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