

OMRON Detection and Door Switches

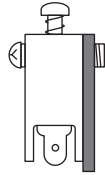


OMRON D2D SERIES: DOOR INTERLOCK SWITCHES

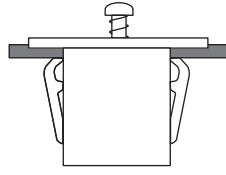
RoHS Compliant This product is RoHS compliant.

Features:

- A minimum contact gap of 3mm (0.12 in) is needed in general power switches and is provided.
- SPST-NO type: Conforms to Class II of VDE Insulation Grade Safety-oriented structure with minimum insulation distance between:
 - 6mm (0.24 in) terminals of same polarity
 - 8mm (0.31 in) current-carrying metal part and ground
 - 8mm (0.31 in) each terminal and noncurrent-carrying metal part
- Fail-safe mechanism has double return spring and direct drive positive contact opening features
- Quick-connect terminal #250 series (conforming to DIN standard)



Screw Mount



Panel Mount



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For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Omron Part No. | Fig. | Contact Form | Actuator | Panel Type | Price Each | | | |
|------------------|----------------|------|--------------|--------------|-------------|------------|------|------|------|
| | | | | | | 1 | 25 | 50 | 100 |
| 653-D2D-1000 | D2D-1000 | A | SPDT-NO-NC | Standard | Screw mount | 5.20 | 5.01 | 4.78 | 4.30 |
| 653-D2D-1002 | D2D-1002 | A | SPST-NC | Standard | Screw mount | 5.01 | 4.46 | 4.27 | 4.11 |
| 653-D2D-2000 | D2D-2000 | B | SPDT-NO-NC | Pull-on lock | Screw mount | 5.99 | 5.52 | 5.31 | 4.92 |
| 653-D2D-2100 | D2D-2100 | C | SPDT-NO-NC | Pull-on lock | Panel mount | 5.99 | 5.52 | 5.31 | 4.92 |
| 653-D2D-3104 | D2D-3104 | D | DPST-NO | Standard | Panel mount | 6.67 | 6.48 | 6.23 | 6.08 |

OMRON D3SH SERIES: SURFACE MOUNT DETECTION SWITCHES

Features:

- Ultra small size and ultra low profile contribute to down-sizing of sets devices. (3.0 x 3.4 x 0.9mm) (W x D x H)
- A unique mechanism enables high contact reliability and high precision operation.
- Horizontal 2-way detection and long stroke for easy installation are available.
- Meet a variety of applications by contact and lever variations.



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Short Levers

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Omron Part No. | Fig. | Contact Form | Direction of Operation | Boss of Positioning | Price Each | | | |
|------------------|----------------|------|--------------|------------------------|---------------------|------------|-----|-----|-----|
| | | | | | | 1 | 25 | 50 | 100 |
| 653-D3SH-A1R | D3SH-A1R | E | SPST-NO | Right | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-A0R | D3SH-A0R | E | SPST-NO | Right | Without Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-A1L | D3SH-A1L | E | SPST-NO | Left | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-A0L | D3SH-A0L | E | SPST-NO | Left | Without Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B1R | D3SH-B1R | E | SPST-NC | Right | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B0R | D3SH-B0R | E | SPST-NC | Right | Without Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B1L | D3SH-B1L | E | SPST-NC | Left | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B0L | D3SH-B0L | E | SPST-NC | Left | Without Boss | .94 | .84 | .81 | .77 |

Long Levers

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Omron Part No. | Fig. | Contact Form | Direction of Operation | Boss of Positioning | Price Each | | | |
|------------------|----------------|------|--------------|------------------------|---------------------|------------|-----|-----|-----|
| | | | | | | 1 | 25 | 50 | 100 |
| 653-D3SH-A1R1 | D3SH-A1R1 | E | SPST-NO | Right | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-A0R1 | D3SH-A0R1 | E | SPST-NO | Right | Without Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-A1L1 | D3SH-A1L1 | E | SPST-NO | Left | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-A0L1 | D3SH-A0L1 | E | SPST-NO | Left | Without Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B1R1 | D3SH-B1R1 | E | SPST-NC | Right | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B0R1 | D3SH-B0R1 | E | SPST-NC | Right | Without Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B1L1 | D3SH-B1L1 | E | SPST-NC | Left | With Boss | .94 | .84 | .81 | .77 |
| 653-D3SH-B0L1 | D3SH-B0L1 | E | SPST-NC | Left | Without Boss | .94 | .84 | .81 | .77 |

OMRON D3C SERIES: SUBMINIATURE DETECTION SWITCHES WITH SLIDING CONTACTS

Features:

- Built-in slide mechanism selects shorting or non-shorting switch timing.
- 3 mm (.12 in) long stroke
- PCB mount switch with 100 millamp capacity
- Ideal for household appliances, office equipment, communications equipment, etc.



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For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Omron Part No. | Fig. | Operating Forces | ON Starting Position | Changeover Timing | Price Each | | | |
|------------------|----------------|------|------------------|----------------------|-------------------|------------|-----|-----|-----|
| | | | | | | 1 | 25 | 50 | 100 |
| 653-D3C-1210 | D3C-1210 | F | 130 gf | 3.50 mm | Non-shorting | 1.04 | .95 | .88 | .79 |
| 653-D3C-1220 | D3C-1220 | F | 40 gf | 3.50 mm | Non-shorting | 1.04 | .95 | .88 | .79 |
| 653-D3C-2210 | D3C-2210 | F | 130 gf | 2.50 mm | Shorting | 1.04 | .95 | .88 | .79 |
| 653-D3C-2220 | D3C-2220 | F | 40 gf | 2.50 mm | Shorting | 1.04 | .95 | .88 | .79 |

OMRON D3D SERIES: MINIATURE DOOR SWITCHES

Features:

- Unique mechanism allows switching of micro loads
- Low operating force of 204 g max.
- Disconnectable crimp connector for easier wiring
- High contact reliability ensured with gold crossbar contacts
- Low noise operation



RoHS Compliant

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Omron Part No. | Fig. | Contact Form | Actuator | Price Each | | | |
|------------------|----------------|------|--------------|----------|------------|------|------|------|
| | | | | | 1 | 25 | 50 | 100 |
| 653-D3D-111 | D3D-111 | G | SPDT | Plunger | 1.53 | 1.44 | 1.33 | 1.24 |
| 653-D3D-121 | D3D-121 | G | SPST-NC | Plunger | 1.34 | 1.26 | 1.16 | 1.09 |
| 653-D3D-131 | D3D-131 | G | SPST-NO | Plunger | 1.34 | 1.26 | 1.16 | 1.09 |
| 653-D3D-211 | D3D-211 | H | SPDT | Lever | 1.62 | 1.53 | 1.41 | 1.32 |
| 653-D3D-221 | D3D-221 | H | SPST-NC | Lever | 1.43 | 1.35 | 1.24 | 1.16 |
| 653-D3D-231 | D3D-231 | H | SPST-NO | Lever | 1.43 | 1.35 | 1.24 | 1.16 |

