

# Merz Non-UL Cam Changeover Switches

## 4 Hole Front Mount

[Z251-2.H08B](#)[W251-2.H08B](#)

### Merz Non-UL Cam Changeover Switches - 4 Hole Front Mount

| Part Number                        | Price   | Description                | Rating (A) | Poles | Drawing Link               |
|------------------------------------|---------|----------------------------|------------|-------|----------------------------|
| <u><a href="#">Z251-2.H08B</a></u> | \$28.00 | Non-UL changeover switches | 25         | 2     | <u><a href="#">PDF</a></u> |
| <u><a href="#">Z251-3.H08B</a></u> | \$34.50 |                            | 25         | 3     | <u><a href="#">PDF</a></u> |
| <u><a href="#">Z451-2.H08B</a></u> | \$39.50 |                            | 32         | 2     | <u><a href="#">PDF</a></u> |
| <u><a href="#">Z451-3.H08B</a></u> | \$51.00 |                            | 32         | 3     | <u><a href="#">PDF</a></u> |
| <u><a href="#">Z656-3.H09B</a></u> | \$93.00 |                            | 80         | 3     | <u><a href="#">PDF</a></u> |
| <u><a href="#">W251-2.H08B</a></u> | \$31.00 | Non-UL reversing switches  | 25         | 2     | <u><a href="#">PDF</a></u> |
| <u><a href="#">W251-3.H08B</a></u> | \$35.50 |                            | 25         | 3     | <u><a href="#">PDF</a></u> |
| <u><a href="#">W451-2.H08B</a></u> | \$51.00 |                            | 32         | 2     | <u><a href="#">PDF</a></u> |
| <u><a href="#">W451-3.H08B</a></u> | \$54.00 |                            | 32         | 3     | <u><a href="#">PDF</a></u> |

NOTE: Hardware for 4-hole door mounting and black operating handle included.

# Merz Non-UL Cam Changeover Switches

## Technical Characteristics

| Characteristics According to CSA 22.2 No. 14-05        |             |          |          |
|--------------------------------------------------------|-------------|----------|----------|
| Type                                                   | 251         | 451      | 656      |
| General Purpose 600VAC, 3-Phase                        | 25A         | 32A      | 80A      |
| Motor 3-Phase                                          | 110/120 VAC | 3hp      | 7.5 hp   |
|                                                        | 220/240 VAC | 7.5 hp   | 7.5 hp   |
|                                                        | 440/480 VAC | 15hp     | 20hp     |
|                                                        | 550/600 VAC | 20hp     | 20hp     |
| Motor 1-Phase 2-pole                                   | 110/120 VAC | 1.5 hp   | –        |
|                                                        | 220/240 VAC | 3hp      | 3hp      |
|                                                        | 440/480 VAC | 7.5 hp   | 10hp     |
|                                                        | 550/600 VAC | 10hp     | 15hp     |
| Short-Circuit Rating at 600VAC (kA)                    | 5           | 5        | 5        |
| Type of Fuse                                           | RK5         | RK5      | RK5      |
| Max. Fuse Rating (A)                                   | 60          | 60       | 60       |
| Max. Surrounding Air Temperature (Open Type) (°C [°F]) | 40 [104]    | 40 [104] | 40 [104] |

Suitable for use on a circuit capable of delivering not more than 5kA rms symmetrical amperes, 600V maximum

| Wire Type / Temperature – Use Copper (Cu) Wire Only, 75°C [167°F] or Higher |           |           |           |
|-----------------------------------------------------------------------------|-----------|-----------|-----------|
| Type                                                                        | 251       | 451       | 656       |
| Terminal cross section [AWG]                                                | 14-8      | 14-6      | 14-4      |
| Single or multi-core [mm <sup>2</sup> ]                                     | 1-6       | 1.5-10    | 1.5-25    |
| Finely stranded with sleeve [mm <sup>2</sup> ]                              | 1-4       | 1.5-6     | 1.5-16    |
| Stripping distance connector cable (mm [in])                                | 10 [0.39] | 12 [0.47] | 15 [0.59] |
| Terminal screw torque (N•m [lb•ft])                                         | 4.5 [40]  | 5.1 [45]  | 4.5 [40]  |

NOTE: Verify that all connections (including bridging link connections) are tightened to manufacturer's required torque before energization.

## Agency Approvals

CSA file #025483\_0\_000

NOTE: The controllers are suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical amperes at 600VAC max when protected by a 60A Class RK5 fuse.

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.