

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>Z251-2.H08B</u>	\$4nek:	Non-UL changeover switches	25	2	<u>PDF</u>
<u>Z251-3.H08B</u>	\$-4nel:		25	3	<u>PDF</u>
<u>Z451-2.H08B</u>	\$4nen:		32	2	<u>PDF</u>
<u>Z451-3.H08B</u>	\$4neo:		32	3	<u>PDF</u>
<u>Z656-3.H09B</u>	\$04nep:		80	3	<u>PDF</u>
<u>W251-2.H08B</u>	\$4neq:	Non-UL reversing switches	25	2	<u>PDF</u>
<u>W251-3.H08B</u>	\$4nes:		25	3	<u>PDF</u>
<u>W451-2.H08B</u>	\$;4net:		32	2	<u>PDF</u>
<u>W451-3.H08B</u>	\$4neu:		32	3	<u>PDF</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 ²]	1-6	1.5-10	1.5-25
Finely stranded with sleeve [mm ²]	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.