

3VA Molded Case Circuit Breakers

3VA52 250A Thermal-magnetic Trip Circuit Breakers

Technical information

Interrupting Ratings for 3VA52

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)					Volts DC		
		240	480Y/277V	480	600Y/347V	600	250	500	600 (3P)
M	MFAS	85	35	35	18	18	50	50	50
H	HFAS	100	65	65	25	25	85	85	85
C	CFAS	200	100	100	35	35	100	100	100

Trip Settings for 3VA52

TM210 - FTFM		
I _n (A)	I _r (A)	I _i (A)
100	100	1000
110	110	1100
125	125	1250
150	150	1500
175	175	1750
200	200	2000
225	225	2250
250	250	2500

TM230 - FTAM							
I _n (A)	I _r (A)	I _i (A)					
100	100	500	600	700	800	900	1000
110	110	550	660	770	880	990	1100
125	125	625	750	875	1000	1125	1125
150	150	750	900	1050	1200	1350	1500
175	175	875	1050	1225	1400	1575	1750
200	200	1000	1200	1400	1600	1800	2000
225	225	1125	1350	1575	1800	2025	2250
250	250	1250	1500	1750	2000	2250	2500

Connectors for 75C Wire for 3VA52

Type	Minimum cable size	Maximum cable size	Part Number (kit of 3 lugs)
Steel wrap around (Cu cable only), single cable lugs	AWG 10	3/0	3VA9233-0JA11
	AWG 4	350 kcmil	3VA9233-0JA12
Aluminum body lug (Cu/Al cable), single cable lugs	AWG 6	350 kcmil	3VA9233-0JB12
Aluminum body lug (Cu/Al cable) with control wire tap, single cable lugs	AWG 6	350 kcmil	3VA9233-0JG12
Aluminum body lug large (Cu/Al cable) single cable lugs with 1 extended terminal cover	AWG 2	350 kcmil	3VA9233-0JJ13
Aluminum body lug large with control wire tap (Cu/Al cable) single cable lugs and 1 extended terminal cover	AWG 2	350 kcmil	3VA9233-0JC13
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	AWG 4	300 kcmil	3VA9233-0JJ22
Distribution lug, 6 Cables (Cu/Al cable) with 1 extended terminal cover	AWG 14	AWG 2	3VA9233-0JF60
Copper body lug (Cu cable only) single cable lugs	AWG 6	350 kcmil	3VA9233-0JD12
Copper body lug with control wire tap (Cu cable only) single cable lugs	AWG 6	350 kcmil	3VA9233-0JK12

See page 7-69 for internal accessory part numbers.

Internal accessories	
Optional equipment	
	Slot No.:
Auxiliary switch	Type
	AUX_HQ
	AUX_HQ_el
Auxiliary switch	AUX_HP
	LCS_HQ
	LCS_HQ_el
Leading changeover switch	LCS_HP
	Alarm switch
	Type
Trip alarm switch	TAS_HQ
	TAS_HQ_el
	TAS_HP
Auxiliary release	
Type	
Shunt trip flexible	STF
Shunt trip left	STL
Undervoltage release	UVR
Universal release	UNI
Other	
Cylinder lock (type Ronis)	

