

# 3VA Molded Case Circuit Breakers

## 3VA51 125A Thermal-magnetic Trip Circuit Breakers

Technical information

### Trip Settings for 3VA51

TM210 - FTFM		
I <sub>n</sub> (A)	I <sub>r</sub> (A)	I <sub>i</sub> (A)
15	15	300
20	20	300
25	25	300
30	30	300
35	35	350
40	40	400
45	45	450
50	50	500
60	60	600
70	70	700
80	80	800
90	90	900
100	100	1000
110	110	1100
125	125	1250

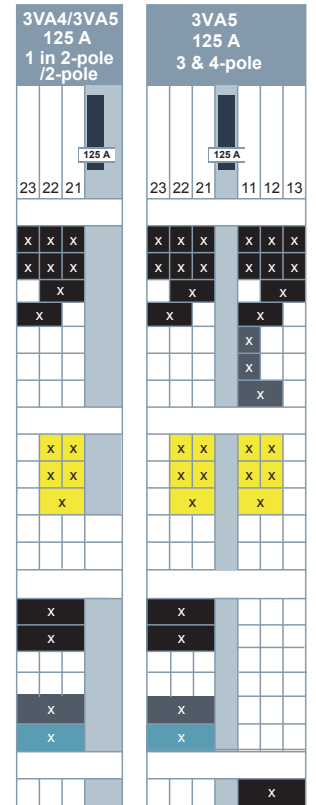
TM230 - FTAM							
I <sub>n</sub> (A)	I <sub>r</sub> (A)	I <sub>i</sub> (A)					
15	15	150	180	210	240	270	300
20	20	150	180	210	240	270	300
25	25	150	180	210	240	270	300
30	30	150	180	210	240	270	300
35	35	175	210	245	280	315	350
40	40	200	240	280	320	360	400
45	45	225	270	315	360	405	450
50	50	250	300	350	400	450	500
60	60	300	360	420	480	540	600
70	70	350	420	490	560	630	700
80	80	400	480	560	640	720	800
90	90	450	540	630	720	810	900
100	100	500	600	700	800	900	1000
110	110	550	660	770	880	990	1100
125	125	625	750	875	1000	1125	1250

TM240 - ATAM							
I <sub>n</sub> (A)	I <sub>r</sub> (A)	I <sub>i</sub> (A)					
15	12	150	180	210	240	270	300
20	16	150	180	210	240	270	300
30	24	150	180	210	240	270	300
40	32	200	240	280	320	360	400
50	40	250	300	350	400	450	500
60	48	300	360	420	480	540	600
70	56	350	420	490	560	630	700
80	64	400	480	560	640	720	800
100	80	500	600	700	800	900	1000

### Connectors for 75C Wire for 3VA51

Type	Min. cable size	Max. cable size	Catalog No. (kit of 3 lugs)	Catalog No. (kit of 4 lugs)
Steel wrap around (Cu cable only), 1 cable lugs	AWG 14	3/0	3VA9133-0JA11	3VA9134-0JA11
Aluminum body lug small (Cu/Al cable), 1 cable lug <sup>①</sup>	AWG 14	AWG 10	3VA9133-0JB10	3VA9134-0JB10
Aluminum body lug (Cu/Al cable), 1 cable lugs <sup>②</sup>	AWG 8	3/0	3VA9133-0JB11	3VA9134-0JB11
Aluminum body lug small with control wire tap (Cu/Al cable), 1 cable lug <sup>①</sup>	AWG 14	AWG 10	3VA9133-0JG10	3VA9134-0JG10
Aluminum body lug with control wire tap (Cu/Al cable), 1 cable lugs <sup>②</sup>	AWG 8	3/0	3VA9133-0JG11	3VA9134-0JG11
Aluminum body lug large (Cu/Al cable), 1 cable lugs with 1 extended terminal cover	AWG 4	300 kcmil	3VA9133-0JJ12	3VA9134-0JJ12
Aluminum body lug large with control wire tap (Cu/Al cable), 1 cable lug and 1 extended terminal cover	AWG 4	300 kcmil	3VA9133-0JC12	
Distribution lug, 6 cables (Cu/Al cable), 1 cable lugs with 1 extended terminal cover	AWG 14	AWG 2	3VA9133-0JF60	3VA9134-0JF60
Copper body lug small (Cu cable only), 1 cable lugs <sup>①</sup>	AWG 14	AWG 10	3VA9133-0JD10	3VA9134-0JD10
Copper body lug (Cu cable only), 1 cable lugs <sup>②</sup>	AWG 8	2/0	3VA9133-0JD11	3VA9134-0JD11
Copper body lug small with control wire tap (Cu cable only), 1 cable lugs <sup>①</sup>	AWG 14	AWG 10	3VA9133-0JK10	3VA9134-0JK10
Copper body lug with control wire tap (Cu cable only), 1 cable lugs <sup>②</sup>	AWG 8	2/0	3VA9133-0JK11	3VA9134-0JK11

Internal accessories configuration	
Slot No.:	
Auxiliary switch	Type
	AUX_HQ
Auxiliary switch	AUX_HQ_el
	AUX_HP
Leading changeover switch	LCS_HQ
	LCS_HQ_el
	LCS_HP
Alarm switch	Type
	TAS_HQ
Trip alarm switch	TAS_HQ_el
	TAS_HP
Short circuit alarm switch	SAS_HQ
	SAS_HQ_el
Auxiliary release	Type
Shunt trip flexible	STF
Shunt trip left	STL
	STL_el
Residual current release	RCR
Undervoltage release	UVR
Universal release	UNI
Other	
Cylinder lock (type Ronis)	



7 MOLDED CASE CIRCUIT BREAKERS

① Use these lugs on 15A to 40A breakers.  
 ② Use these lugs on 45A to 125A breakers.