

VX25 Ri4Power

Rated operating currents I_{ng} for moulded-case circuit-breakers MCCB

Rated operating currents I_{ng} for moulded-case circuit-breakers – ABB, part 3

Brand	ABB												
	Type	Size	I_n Circuit-breaker	Rated operating current I_{ng} with consideration of protection category and cooling				Minimum compartment dimensions ¹⁾					
				vent.	IP2X	vent.	IP2X	IP54	IP54	Width	Height	Width	Height
MCCB		A	A	A	A	A	A	mm	mm	mm	mm	mm	
T _{max} XT4	4	16	16	16	16	16	16	400	150	400	200	horizontal	
T _{max} XT4	4	20	20	20	20	20	20	400	150	400	200	horizontal	
T _{max} XT4	4	25	25	25	25	25	25	400	150	400	200	horizontal	
T _{max} XT4	4	32	32	32	32	32	32	400	150	400	200	horizontal	
T _{max} XT4	4	40	40	40	40	40	40	400	150	400	200	horizontal	
T _{max} XT4	4	50	50	50	50	50	50	400	150	400	200	horizontal	
T _{max} XT4	4	63	63	63	63	63	63	400	150	400	200	horizontal	
T _{max} XT4	4	80	80	80	80	80	80	400	150	400	200	horizontal	
T _{max} XT4	4	100	100	100	100	100	100	400	150	400	200	horizontal	
T _{max} XT4	4	125	125	125	125	125	125	400	200	400	200	horizontal	
T _{max} XT4	4	160	160	160	160	160	160	400	200	400	200	horizontal	
T _{max} XT4	4	200	200	195	200	190	190	400	200	400	200	horizontal	
T _{max} XT4	4	225	225	225	225	215	215	400	200	400	200	horizontal	
T _{max} XT4	4	250	250	225	250	215	215	600	200	600	200	horizontal	
T _{max} XT5	5	320	320	320	320	315	600	200	600	300	300	horizontal	
T _{max} XT5	5	400	400	370	400	362	600	300	600	300	300	horizontal	
T _{max} XT5	5	500	500	410	500	400	600	300	600	300	300	horizontal	
T _{max} XT5	5	630	580	460	580	450	600	300	600	300	300	horizontal	
T _{max} XT5	5	320	320	320	320	315	600	300	600	300	300	vertical	
T _{max} XT5	5	400	400	370	400	362	600	300	600	300	300	vertical	
T _{max} XT5	5	500	500	410	500	400	600	300	600	300	300	vertical	
T _{max} XT5	5	630	580	460	580	450	600	300	600	300	300	vertical	
T _{max} T6	6	630	567	504	567	504	600	300	600	300	300	horizontal	
T _{max} T6	6	630	567	504	567	504	600	400	600	400	400	vertical	
T _{max} T6	6	800	720	640	640	640	600	400	600	400	400	vertical	
T _{max} T6	6	1000	900	800	800	800	600	600	600	600	600	vertical	
T _{max} XT7/T7	7	400	368	356	368	356	600	600	600	600	600	vertical	
T _{max} XT7/T7	7	630	567	504	567	504	600	600	600	600	600	vertical	
T _{max} XT7/T7	7	800	720	640	640	640	600	600	600	600	600	vertical	
T _{max} XT7/T7	7	1000	900	800	800	800	600	600	600	600	600	vertical	
T _{max} XT7/T7	7	1250	1125	1000	1000	1000	600	600	600	600	600	vertical	
T _{max} XT7/T7	7	1600	1440	1280	1440	1280	600	600	600	600	600	vertical	

¹⁾ The minimum distances refer to U_n of 400 V VAC. At higher voltages, where necessary, greater minimum spacings between the devices and other conductive parts stipulated by the switchgear manufacturer must be taken into account. The use of phase divider panels or connection space covers should be designed in accordance with the switchgear manufacturer's specifications and may result in larger compartments.

²⁾ Circuit-breakers must be selected with the required breaking capacity I_{Bn} .

³⁾ For laminated copper bars, the support has been tested with universal brackets 3079.000 and 3079.010 and should be used in accordance with the design rules. Solid copper bars must be supported with connection kit support 9660.205. Where necessary, lines and cables should be secured with the appropriate cable clamp components.

⁴⁾ Use of cables and leads is only admissible on the outgoing side.

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Rated operating currents I_{ng} for moulded-case circuit-breakers – ABB, part 4

Brand	ABB							
	Type	Connection with round conductor			Connection with copper bar		Connection with laminated copper bar	
		Minimum connection cross-section	Max. short-circuit withstand strength $I_{cc}^{(2)}$	Maximum distance from first support ⁽³⁾	Minimum connection cross-section	Max. short-circuit withstand strength $I_{cc}^{(2)}$	Minimum connection cross-section	Max. short-circuit withstand strength $I_{cc}^{(2)}$
MCCB		mm ²	KA	mm	mm ²	KA	mm ²	KA
T _{max} XT4		4	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		4	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		6	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		6	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		10	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		10	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		16	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		25	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		35	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		50	50	60	1 x 15 x 5	50	6 x 15.5 x 0.8	50
T _{max} XT4		70	50	60	1 x 15 x 5	50	10 x 15.5 x 0.8	50
T _{max} XT4		95	50	60	1 x 20 x 5	50	10 x 15.5 x 0.8	50
T _{max} XT4		120	50	60	1 x 20 x 5	50	10 x 15.5 x 0.8	50
T _{max} XT4		120	50	60	1 x 20 x 10	50	10 x 15.5 x 0.8	50
T _{max} XT5		240	50	150	1 x 30 x 5	50	5 x 32 x 1.0	50
T _{max} XT5		2 x 150	50	150	1 x 30 x 10	50	5 x 32 x 1.0	50
T _{max} XT5		2 x 185	50	150	1 x 30 x 10	50	10 x 32 x 1.0	50
T _{max} XT5		2 x 240	50	150	1 x 30 x 10	50	10 x 32 x 1.0	50
T _{max} XT5		240	50	150	1 x 30 x 10	50	5 x 32 x 1.0	50
T _{max} XT5		2 x 150	50	150	1 x 30 x 10	50	5 x 32 x 1.0	50
T _{max} XT5		2 x 185	50	150	1 x 30 x 10	50	10 x 32 x 1.0	50
T _{max} XT5		2 x						