

Data sheet

Circuit Breakers, Type CTI 25M, CTI 45MB, CTI 100



Circuit breakers for short circuit and overload protection of motor applications cover together with the circuit breaker CTI 100 the current range 0.1 - 90 A (AC-3 rating). The product range is split in three product sizes. The smallest size is CTI 25M. It consists of 14 code numbers and covers the current range 0.1- 32 A. The bigger size is called CTI 45MB. It consists of one code number and covers the current range from 32 - 45 A. The biggest size is CTI 100 consists of two code numbers and covers the current range from 40 - 90 A.

The program is very flexible and includes add-on accessories such as auxiliary contacts, alarm contacts, voltage and under voltage trips, connection terminals and bus bars.

Features

- Overload protection and short circuit protection of motor installations
- Test function for thermal trip
- Manual reset function
- Indication for thermal trip
- Indication for magnetic trip (short circuiting)
- Single phase protection (Differential trip)
- Temperature compensated (-20°C - +60°C)
- Tripping class 10

Circuit Breakers CTI 25M, CTI 45 MB, CTI 100

Approvals

Product type	Approval institute				UK	Germany	France
	EN 60947	Canada	USA	Lloyds Register of Shipping	Germanischer Lloyd	Bureau Veritas	
CTI 25M	●	●	●	□	□	□	
CTI 45MB	●	●	●	□	□	□	
CBA-	●	●	●	□	□	□	
CBA S-	●	●	●	□	□	□	
CBT-	●	●	●	□	□	□	
CBT S-	●	●	●	□	□	□	
VTU-	●	●	●	□	□	□	
VTU 2EM-	●	●	●	□	□	□	
VT-	●	●	●	□	□	□	
BLK	●	●	●	□	□	□	
RLK	●	●	●	□	□	□	
BDH	●	●	●	□	□	□	
RDH	●	●	●	□	□	□	
BMP	●	●	●	□	□	□	
RMP	●	●	●	□	□	□	
BBT-	●	●	●	□	□	□	
BBC-	●	●	●	□	□	□	
CTI 100	●	●	●	●	●	●	
CBI 100-	●	●	●	●	●	●	
CBI 100 UI-	●	●	●	●	●	●	
CBI 100 UA-	●	●	●	●	●	●	
CBI 100 AA-	●	●	●	●	●	●	
CTC	●	●	●	□	□	□	

- Approved
- Approvals applied for

Ordering

Circuit Breakers / Manual Motor Starters CTI 25M, CTI 45MB, CTI 100

Type	AC-3 Load 380 - 415 V [kW]	Range Motor Starter [A]	Electromagnetic Trip current [A]	Code number
CTI 25M	0.02	0.1 - 0.16	2.1	047B3140
	0.06	0.16 - 0.25	3.3	047B3141
	0.09	0.25 - 0.40	5.2	047B3142
	0.18	0.4 - 0.63	8.2	047B3143
	0.25	0.63 - 1.0	13	047B3144
	0.55	1.0 - 1.6	21	047B3145
	0.75	1.6 - 2.5	33	047B3146
	1.5	2.5 - 4.0	52	047B3147
	2.2	4.0 - 6.3	82	047B3148
	4.0	6.3-10	130	047B3149
	7.5	10 - 16	208	047B3150
	10	14.5 - 20	260	047B3151
	11	18 - 25	325	047B3152
13	24 - 29	406	047B3103	
15	27 - 32	448	047B3102	
CTI 45 MB	22	32 - 45	585	047B3165
CTI 100	31.5	40 - 63	882	047B3014
	45	63 - 90	1260	047B3015

Note!

For motors with full load currents higher or equal with 19 A, CTI 25M 047B3152 (18 - 25 A) must be selected.