

▷ TOR(Thermal Overload Relays)

- * combination with a Magnetic contactor
- TH22 = MC 9,12,,18,22
- TH40 = MC 32,40,48
- TH85 = MC 50,65,75,85
- TH100 = MC 100,125
- TH150 = MC 150
- TH220 = MC 180,220
- TH400 = MC 300,400



subject	Type	TH22			TH40			TH85		
		Current Range			Current Range			Current Range		
		Nominal	min.	mid.	max.	min.	mid.	max.	min.	mid.
Rated Current(A)	0.14	0.1	0.14	0.16	-	-	-	-	-	-
	0.21	0.16	0.21	0.25	-	-	-	-	-	-
	0.33	0.25	0.33	0.4	-	-	-	-	-	-
	0.52	0.4	0.52	0.63	-	-	-	-	-	-
	0.82	0.63	0.82	1	-	-	-	-	-	-
	1.3	1	1.3	1.6	-	-	-	-	-	-
	2.1	1.6	2.1	2.5	-	-	-	-	-	-
	3.3	2.5	3.3	4	-	-	-	-	-	-
	5	4	5	6	4	5	6	-	-	-
	6.5	5	6.5	8	5	6.5	8	-	-	-
	7.5	6	7.5	9	6	7.5	9	-	-	-
	8.5	7	8.5	10	7	8.5	10	7	8.5	10
	11	9	11	13	9	11	13	9	11	13
	15	12	15	18	12	15	18	12	15	18
	19	16	19	22	16	19	22	16	19	22
	22	-	-	-	18	22	26	18	22	26
	30	-	-	-	24	30	36	24	30	36
	34	-	-	-	28	34	40	28	34	40
	42	-	-	-	-	-	-	34	42	50
	55	-	-	-	-	-	-	45	55	65
65	-	-	-	-	-	-	54	65	75	
74	-	-	-	-	-	-	63	74	85	
No. of Elements	2 Elements	standard			standard			standard		
	3 Elements	option			option			option		
Aux. contact	1a1b			1a1b			1a1b			
Reset method	manual / Auto			manual / Auto			manual / Auto			
power loss	1.8VA/pole			2.0VA/pole			3.5VA/pole			
Dimension(mm) (W * H * D)	44 * 63 * 89			53 * 71 * 96			70 * 81 * 102			
Separate mounting unit	AZ 22H			AZ 40H			AZ 85H			
Application	3 Elements	TH 22/3			TH 40/3			TH 85/3		
	Phase loss prot.	TK 22			TK 40			TK 85		
Magnetic Contactor	MC 9, 12, 18, 22			MC 32, 40, 48			MC 50, 65, 75, 85			
Magnetic Switch	MS 9, 12, 18, 22			MS 32, 40, 48			MS 50, 65, 75, 85			

subject	Type	TH100			TH150			TH220			TH400		
		Current Range			Current Range			Current Range			Current Range		
		Nominal	min.	mid.	max.	min.	mid.	max.	min.	mid.	max.	min.	mid.
Rated Current(A)	41	34	41	50	34	41	50	-	-	-	-	-	-
	48	39	48	57	39	48	57	-	-	-	-	-	-
	56	43	56	65	43	56	65	-	-	-	-	-	-
	67	54	67	80	54	67	80	-	-	-	-	-	-
	80	65	80	100	65	80	100	65	80	100	-	-	-
	107	85	107	125	85	107	125	85	107	125	85	107	125
	130	-	-	-	100	130	150	100	130	160	100	30	160
	150	-	-	-	-	-	-	120	150	180	120	150	180
	200	-	-	-	-	-	-	160	200	240	160	200	240
	250	-	-	-	-	-	-	-	-	-	200	250	300
	350	-	-	-	-	-	-	-	-	-	260	350	400
No. of Elements	2 Elements	standard			standard			standard			standard		
	3 Elements	option			option			option			option		
Aux. contact	1a1b			1a1b			1a1b			1a1b			
Reset method	manual / Auto			manual / Auto			manual / Auto			manual / Auto			
power loss	2.3VA/pole			2.3VA/pole			2.3VA/pole			2.3VA/pole			
Dimension(mm) (W * H * D)	103 * 67 * 105			112 * 89 * 105			145 * 141 * 180			151 * 171 * 193			
Application	3 Elements	TH 100/3			TH 150/3			TH 220/3			TH 400/3		
	Phase loss protection	TK 100			TK 150			TK 220			TK 400		
Magnetic Contactor	MC 100, 125			MC 150			MC 180, 220			MC 300, 400			
Magnetic Switch	MS 100, 125			MS 150			MS 180, 220			MS 300, 400			