

Thermal overload relays T7DU



T7DU

Thermal overload relay — for contactors B6,B7, BC6, BC7, B6S, B7S, VB6(7), VBC6(7), VB6A(7A), VBC6A(7A)

Setting range Amps	Catalog number	List price
0.1 – 0.16	T7DU0.16	\$ 48
0.16 – 0.24	T7DU0.24	
0.24 – 0.4	T7DU0.4	
0.4 – 0.6	T7DU0.6	
0.6 – 1.0	T7DU1.0	
1.0 – 1.6	T7DU1.6	
1.6 – 2.4	T7DU2.4	
2.4 – 4.0	T7DU4.0	
4.0 – 6.0	T7DU6.0	
6.0 – 9.0	T7DU9.0	
9.0 – 12.0	T7DU12.0	

Loading capacity of auxiliary switches

Type	T7DU			
	N.C. 95 – 96	N.O. 97 – 98		
Rated operating voltage U_e/V IEC / UL508	V	500 / 300	500 / 300	
Thermal current	A	6	6	
Rated operating current I_e	at AC-15 220/240 V	A	1.5	1.5
	at AC-15 380/415 V	A	0.7	0.5
	at AC-15 500 V	A	0.5	0.3
	at DC-15 220 V	A	0.2	0.2
Pilot duty rating	AC	A300	A300	
	DC	P300	P300	
General use	240V	1.5A	1.5A	
	600V	0.6A	0.6A	

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Setting range A – A	Short circuit protection (fuses, circuit breakers)				Resistance per phase W	Joule losses per phase at upper current setting W
	Coordination Type 2 (IEC) gL/gG A	Coordination Type 1(IEC) gL/gG A	600V, 5kA			
			Fuse	MCCB		
0.1 – 0.16	0.5	20	1	15A	62.3	1.6
0.16 – 0.24	1	20	1	15A	27	1.6
0.24 – 0.4	2	20	1	15A	11.7	1.9
0.4 – 0.6	2	20	1	15A	4.61	1.7
0.6 – 1.0	4	20	3	15A	1.66	1.7
1.0 – 1.6	6	20	6	15A	0.63	1.6
1.6 – 2.4	6	20	6	15A	0.27	1.6
2.4 – 4.0	10	20	15	15A	0.107	1.7
4.0 – 6.0	10	20	20	15A	0.049	1.8
6.0 – 9.0	10	20	35	15A	0.021	1.7
9.0 – 12.0	20	20	45	15A	0.010	1.4

Electronic overload relays

See pages 2.19 to 2.30.