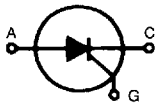
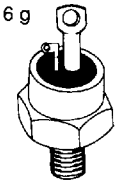
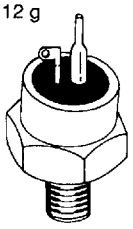
Phase Control Thyristors

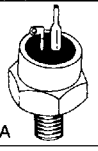


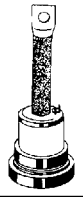
I_{TAV} = 16-330 A

Type	V_{RRM} V_{DRM} V	I_{TAV} T_C= 85°C A	I_{TRMS} A	I_{TSM} 45°C 10 ms A	$\left[\frac{dv}{dt}\right]_c$ V/µs	V_{T0} V	r_T mΩ	T_{VJM} °C	R_{thJC} K/W	R_{thCK} K/W	Package style See outlines on page 31
CS 8-12 io2	1200	16	25	250	1000	1.0	18	125	1.5	1.0	Fig. 15 **TO-64** Weight = 6 g
● CS 5-12 io2	1200	11.5		180			33		1.8		
● CS 8-10 io2	1000	16		250			18		1.5		
● CS 5-10 io2	1000	11.5		180			33		1.8		
CS 8-08 io2	800	16	25	250	1000	1.0	18	125	1.5	1.0	
● CS 5-08 io2	800	11.5		180			33		1.8		
● CS 8-06 go2	600	16		250			18		1.5		
● CS 5-06 go2	600	11.5		180			33		1.8		
● CS 8-04 go2	400	16		250			18		1.5		
● CS 5-04 go2	400	11.5		180			33		1.8		
● CS 8-02 go2	200	16		250			18		1.5		
● CS 5-02 go2	200	11.5		180			33		1.8		
CS 23-16 io2	1600	25	50	450	1000	1.0	10	125	1.0	0.6	Fig. 16 **TO-208 AA (TO-48)** Weight = 12 g
● CS 16-16 io2	1600	19	30	350			12				
● CS 23-14 io2	1400	25	50	450			10				
● CS 16-14 io2	1400	19	30	350			12				
CS 23-12 io2	1200	25	50	450	1000	1.0	10	125	1.0	0.6	
● CS 16-12 io2	1200	19	30	350			12				
● CS 23-10 io2	1000	25	50	450			10				
● CS 16-10 io2	1000	19	30	350			12				
CS 23-08 io2	800	25	50	450	1000	1.0	10	125	1.0	0.6	
● CS 16-08 io2	800	19	30	350			12				
● CS 23-06 go2	600	25	50	450			10				
● CS 16-06 go2	600	19	30	350			12				
● CS 23-04 go2	400	25	50	450			10				
● CS 16-04 go2	400	19	30	350			12				
CS 35-14 io4	1400	60	120	1200	1000	0.85	3.5	125	0.4	0.2	Fig. 17 **TO-208 AC (TO-65)** Weight = 20 g 1/4"-28 UNF-2 A
CS 35-12 io4	1200	60	120	1200	1000	0.85	3.5	125	0.4	0.2	
● CS 35-10 io4	1000										
CS 35-08 io4	800	60	120	1200	1000	0.85	3.5	125	0.4	0.2	
● CS 35-06 go4	600										
● CS 35-04 go4	400										
CS 72-16 io8	1600	75	160	2000	1000	1.0	2.6	125	0.36	0.1	Fig. 18 **TO-209 AC (TO-94)** Weight = 110 g
● CS 52-16 io8	1600	50	120	1600			3.65		0.55		
● CS 72-14 io8	1400	75	160	2000			2.6		0.36		
● CS 52-14 io8	1400	50	120	1600			3.65		0.55		
CS 72-12 io8	1200	75	160	2000	1000	1.0	2.6	125	0.36	0.1	
● CS 52-12 io8	1200	50	120	1600			3.65		0.55		
● CS 72-10 io8	1000	75	160	2000			2.6		0.36		
● CS 52-10 io8	1000	50	120	1600			3.65		0.55		
● CS 72-08 io8	800	75	160	2000			2.6		0.36		
● CS 52-08 io8	800	50	120	1600			3.65		0.55		
● CS 72-06 go8	600	75	160	2000			2.6		0.36		
● CS 52-06 go8	600	50	120	1600			3.65		0.55		
CS 142-16 io8	1600	140	260	3100	1000	1.0	1.7	125	0.18	0.04	
● CS 112-16 io8	1600	124	220	2700			2.0		0.2	0.06	
● CS 142-14 io8	1400	140	260	3100			1.7		0.18	0.04	
● CS 112-14 io8	1400	124	220	2700			2.0		0.2	0.06	
CS 142-12 io8	1200	140	260	3100	1000	1.0	1.7	125	0.18	0.04	
● CS 112-12 io8	1200	124	220	2700			2.0		0.2	0.06	
● CS 142-10 io8	1000	140	260	3100			1.7		0.18	0.04	
● CS 112-10 io8	1000	124	220	2700			2.0		0.2	0.06	
● CS 142-08 io8	800	140	260	3100			1.7		0.18	0.04	
● CS 112-08 io8	800	124	220	2700			2.0		0.2	0.06	
● CS 142-06 go8	600	140	260	3100			1.7		0.18	0.04	
● CS 112-06 go8	600	124	220	2700			2.0		0.2	0.06	
CS 300-16 io3	1600	330	600	8500	1000	1.0	0.43	125	0.09	0.03	Fig. 19 Weight = 500 g
● CS 220-16 io2	1600	220	450	7000		0.95	1.0		0.12		
● CS 300-14 io3	1400	330	600	8500		1.0	0.43		0.09		
● CS 220-14 io2	1400	220	450	7000		0.95	1.0		0.12		
CS 300-12 io3	1200	330	600	8500	1000	1.0	0.43	125	0.09	0.03	
● CS 220-12 io2	1200	220	450	7000		0.95	1.0		0.12		
● CS 300-08 io3	800	330	600	8500		1.0	0.43		0.09		
● CS 220-08 io2	800	220	450	7000		0.95	1.0		0.12		









Data according to DIN / IEC 747-6

● Part numbers have been replaced by the next higher **prime product** in this category.

A = Anode, C = Cathode, G = Gate