

Phase-control thyristors

Type	V_{DRM} V_{RRM} V	I_{TAV} A	I_{TRMS} A	I_{TSM} 25°C, 10ms A	$\int i^2 dt$ 25°C, 10ms A ² s	$(dv/dt)_{cr}$ V/ μ s	$(di/dt)_{cr}$ A/ μ s	t_q typ. μ s	T_{jmax} °C	R_{thJC} K/W	Fig.
BStN45B 60	900	450	710	6 160	190 000	500 S10: 1000	100	200	125	0,05	1
BStN45B 80	1 200										
BStN45B 90	1 350										
BStN45B 110	1 650										
BStN46C 133	2 000	340	535	4 470	100 000	500 S10: 1000	50	300	125	0,06	2
BStN46C 146	2 200										
BStN46C 166	2 500										
BStN6113y	200	600	940	8 950	400 000	200 S9: 500	150	y: 150	140	0,05	3
BStN6120y	300										
BStN6126y	400										
BStN6133y	500										
BStP45 60	900	800	1 250	10 950	600 000	500 S10: 1000	100	200	125	0,03	4
BStP45 80	1 200										
BStP45 90	1 350										
BStP45110	1 650										
BStP46133	2 000	600	940	7 500	280 000	500 S10: 1000	50	300	125	0,035	4
BStP46146	2 200										
BStP46166	2 500										
BStP6113y	200	1 100	1 730	16 000	1 300 000	200 S9: 500	200	y: 150	140	0,03	5
BStP6120y	300										
BStP6126y	400										
BStP6133y	500										

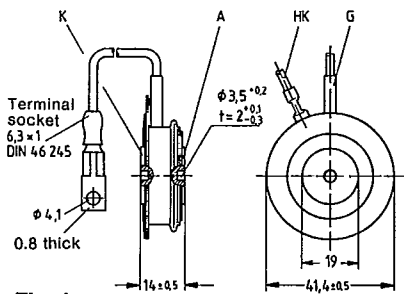


Fig. 1

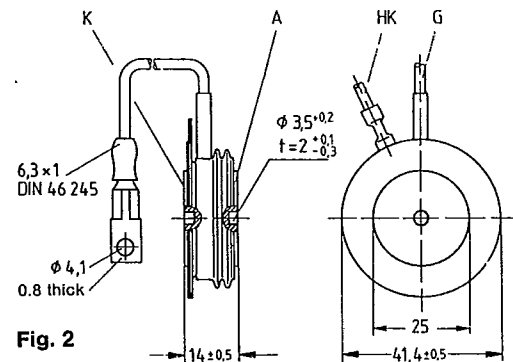


Fig. 2

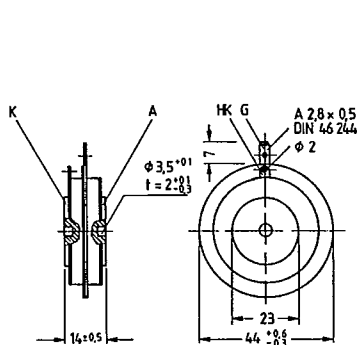


Fig. 3

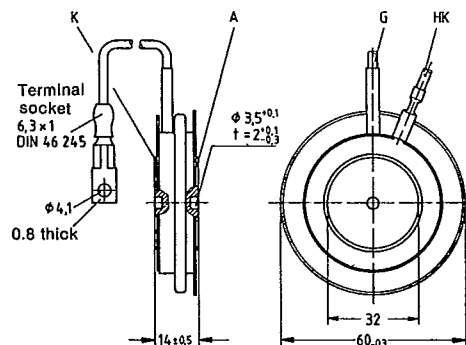


Fig. 4

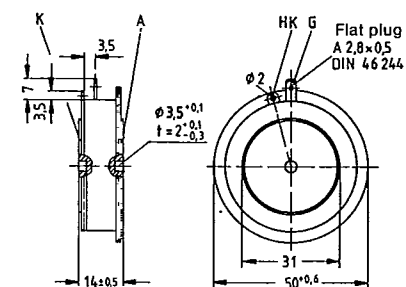


Fig. 5

Dimensions in mm