FAST SWITCHING THYRISTORS

Type	$I_{T(AV)}$ / T_c (A) / (°C)	I_{TSM} 10 ms (kA)	I^2t 10 ms (kA^2s)	U_{DRM}, U_{RRM} T_j=125 °C (V)	I_{DRM}, I_{RRM} T_j=125 °C (mA)	$U_{T(TO)}$ T_j=125 °C (V)	r_T T_j=125 °C (mΩ)	U_{TM} / I_{TM} T_j=25 °C (V) / (A)	I_{GT} (mA)	U_{GT} (V)	tq (µs)	di_T/dt (A/µs)	du_D/dt (min.) (V/µs)	R_{thjc} DC (°C/W)	R_{thcr} DC (°C/W)	T_{jmin}-T_{jmax} (°C)	Clamping force or mounting torque	Weight (g)	Fig.
F51-63	63/80	1,08	5,8	1600	10			3,15/500	150	3	32	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	2,3
F52-63	63/80	1,08	5,8	800	10			3,15/500	150	3	12,5	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	4,5
F52-63	63/80	1,08	5,8	1000	10			3,15/500	150	3	16	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	4,5
F52-63	63/80	1,08	5,8	1200	10			3,15/500	150	3	20	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	4,5
F52-80	80/75	1,26	7,9	800	10			2,50/500	150	3	20	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	4,5
F52-80	80/75	1,26	7,9	1200	10			2,50/500	150	3	25	150	320	0,25	0,12	40...+125	14,0-17,0 Nm	125	4,5
F52-100	100/70	1,45	10,5	600	10			2,00/500	150	3	25	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	4,5
F52-100	100/70	1,45	10,5	800	10			2,00/500	150	3	32	150	320	0,25	0,12	-40...+125	14,0-17,0 Nm	125	4,5
F61-125	125/85	3,6	65	1600	22			2,10/625	150	3	40	150	320	0,1	0,075	-40...+125	28,0-32,0 Nm	250	6
F61-125	125/85	3,6	65	2000-2200	22			2,10/625	150	3	63	150	320	0,1	0,075	-40...+125	28,0-32,0 Nm	250	6
F62-150	150/85	4	80	800	22			1,90/625	150	3	12,5	150	320	0,1	0,075	-40...+125	28,0-32,0 Nm	250	7
F62-150	150/85	4	80	1000-1200	22			1,90/625	150	3	16	150	320	0,1	0,075	-40...+125	28,0-32,0 Nm	250	7
F62-170	170/85	4,2	88	800-1200	22	1,00	1,18	1,70/625	150	3	20	150	320	0,1	0,075	-40...+125	28,0-32,0 Nm	250	7
F71-225	225/80	6,1	186	1200	33			2,25/1500	200	3	20	150	320	0,1	0,05	-40...+125	38,-41,0 Nm	500	8
F71-225	225/80	6,1	186	1600	33			2,25/1500	200	3	40	150	320	0,1	0,05	-40...+125	38,-41,0 Nm	500	8
F71-300	300/70	7,4	274	600-800	33	1,14	0,70	2,00/1500	200	3	20	150	320	0,1	0,05	-40...+125	38,-41,0 Nm	500	8
F71-300	300/70	7,4	274	1200	33	1,14	0,70	2,00/1500	200	3	25	150	320	0,1	0,05	-40...+125	38,-41,0 Nm	500	8
F63-200	200/85	3,1	48	1600	22			2,35/625	150	3	40	150	320	0,08	0,02	-40...+125	4,5-6,5 kN	60	12
F63-200	200/85	3,1	48	2000-2200	22			2,35/625	150	3	63	150	320	0,08	0,02	-40...+125	4,5-6,5 kN	60	12
F63-250	250/78	3,6	65	800	22			2,10/625	150	3	10	150	320	0,08	0,02	-40...+125	4,5-6,5 kN	60	12
F63-250	250/78	3,6	65	1000	22			2,10/625	150	3	12,5	150	320	0,08	0,02	-40...+125	4,5-6,5 kN	60	12
F63-250	250/78	3,6	65	1200	22			2,10/625	150	3	16	150	320	0,08	0,02	-40...+125	4,5-6,5 kN	60	12
F63-300	300/70	4	80	800-1200	22			1,90/625	150	3	20	150	320	0,08	0,02	-40...+125	4,5-6,5 kN	60	12
F73-500	500/70	8	320	800	33			2,10/1500	200	3	20	200	320	0,06	0,02	-40...+125	9,0-11,0 kN	280	14
F75-500	500/70	7,2	260	800	30			2,30/1500	150	3	20	200	320	0,04	0,02	-40...+125	9,0-11,0 kN	85	13
F75-500	500/70	7,2	260	1200	30			2,30/1500	150	3	25	200	320	0,04	0,02	-40...+125	9,0-11,0 kN	85	13
F75-500	500/70	7,2	260	1600	30			2,30/1500	150	3	40	200	320	0,04	0,02	-40...+125	9,0-11,0 kN	85	13
F75-700	700/70	8,5	361	400-800	30			1,70/1500	150	3	20	200	320	0,04	0,02	-40...+125	9,0-11,0 kN	85	13

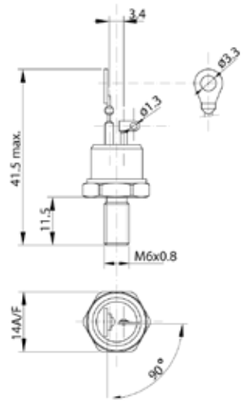

Fig. 1
T32

Thyristors T 32 are produced in accordance with the figure (the type of lead is not marked)

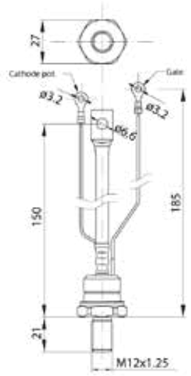

Fig. 2
T51, F51
DXA

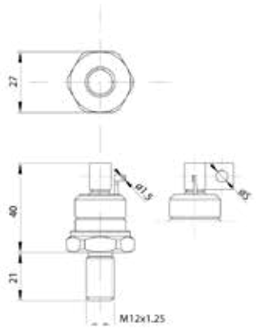

Fig. 3
T51, F51
DX1

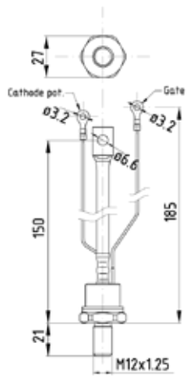

Fig. 4
T52, F52
DXA

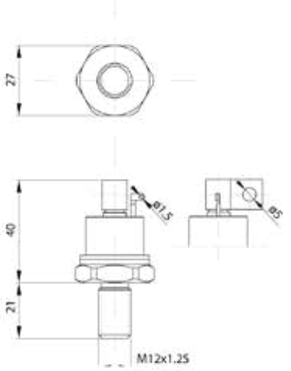

Fig. 5
T52, F52
DX1

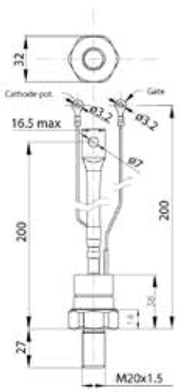

Fig. 6
T61, F61
AYG

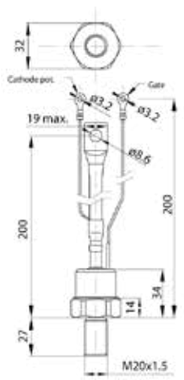

Fig. 7
T62, F62
AYG

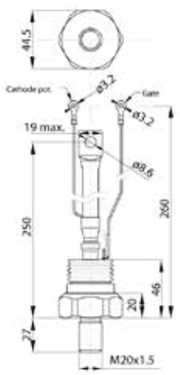

Fig. 8
T71, P71, F71
KZA

Discrete Thyristors

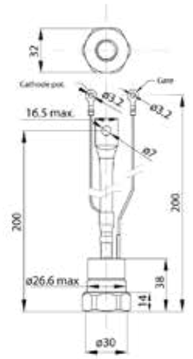

Fig. 9
T64
1YG

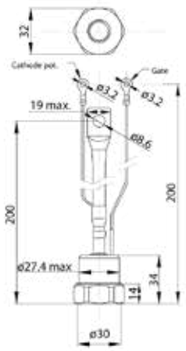

Fig. 10
T66
1YG

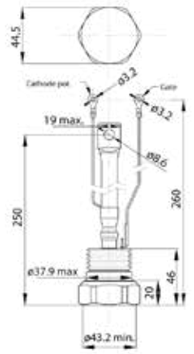

Fig. 11
T74
1ZA

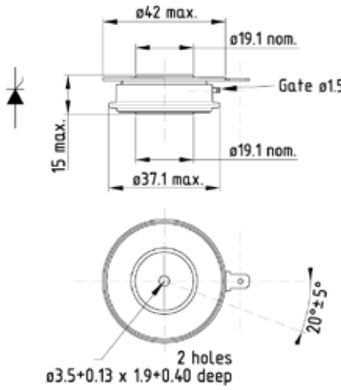

Fig. 12
T63, F63

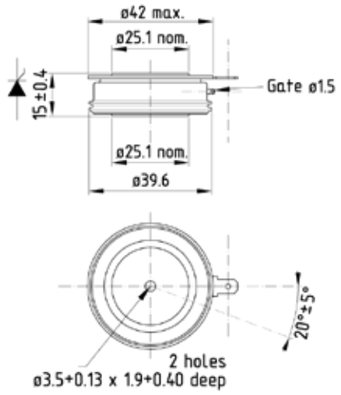

Fig. 13
T75, F75, P75

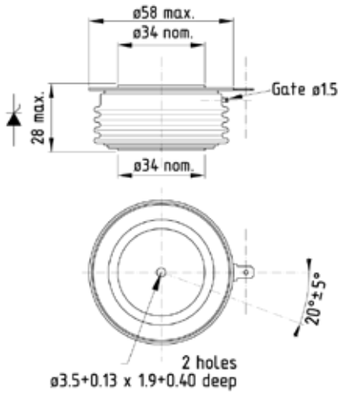

Fig. 14
T73, F73, P73, T83 , P83

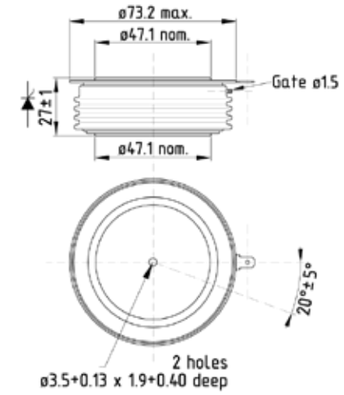

Fig. 15
T95, P95