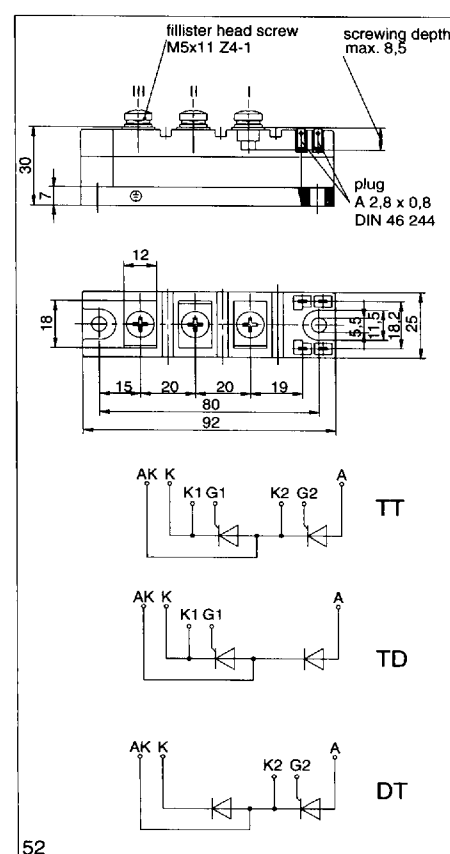
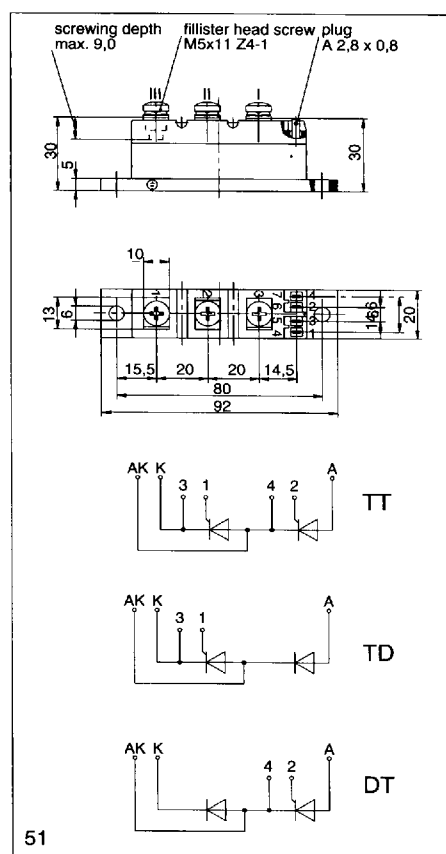
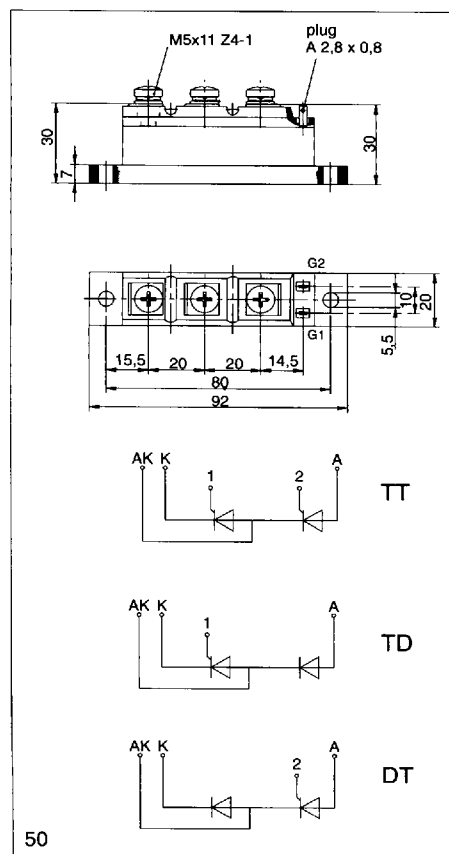
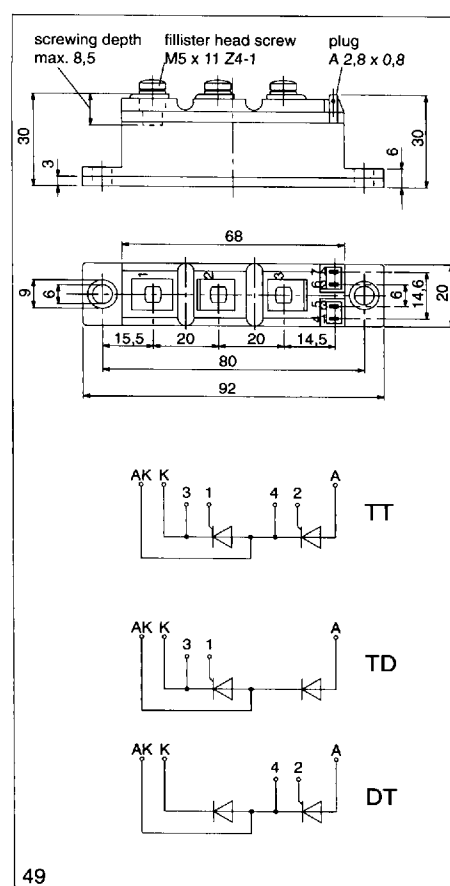
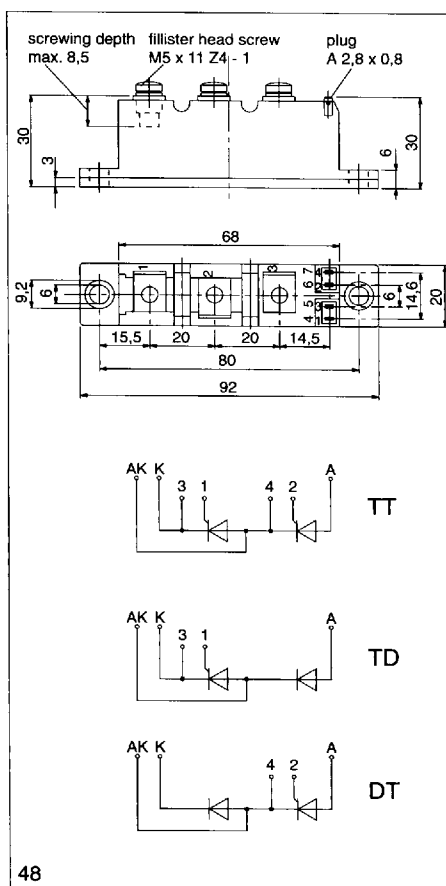
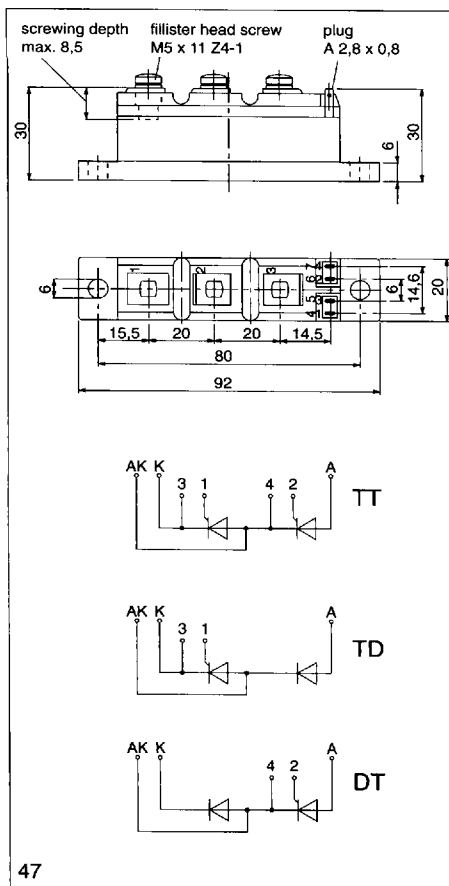


Phase Control Thyristor Modules

Type	V_{DRM} V_{RRM} V $V_{DSM} = V_{DRM}$ $V_{RSM} =$ $V_{RRM} + 100V$	I_{TRMSM} A	I_{TSM} A 10 ms, $t_{vj\ max}$	$\int i^2 dt$ A ² s 10 ms, $t_{vj\ max}$ $\times 10^3$	I_{TAVM}/t_c A/°C 180° el sin	$V_{(TO)}$ V $t_{vj} =$ $t_{vj\ max}$	r_T mΩ $t_{vj} =$ $t_{vj\ max}$	$(di/dt)_{cr}$ A/μs DIN IEC 747-6	t_q μs typ.	$(dv/dt)_{cr}$ V/μs DIN IEC 747-6	R_{thJC} °C/W 180° el sin	R_{thCK} °C/W	$t_{vj\ max}$ °C	outline
Baseplate = 20 mm														
TT 18 N	800...1600	40	350	0,61	18/85	1,1	16	100	50	F = 1000	1,2	0,2	125	47
TD 18 N					25/60									48
DT 18 N														
TT 25 N	800...1600	50	510	1,3	25/85	1,05	11	100	60	F = 1000	0,92	0,2	125	47
TD 25 N					32/69									48
DT 25 N														
TT 31 N	800...1600	75	680	2,3	31/85	0,95	6,4	100	60	F = 1000	0,92	0,2	125	47
TD 31 N					48/50									48
DT 31 N														
TT 36 N	800...1600	80	850	3,6	36/85	1	6,2	120	60	F = 1000	0,72	0,16	125	47
TD 36 N					51/60									48
DT 36 N														
TT 46 N	800...1600	100	1000	5	46/85	0,95	4,5	120	60	F = 1000	0,6	0,16	125	47
TD 46 N					64/61									48
DT 46 N														
TT 56 N	800...1600	100	1350	9,1	56/85	0,9	3,5	120	80	F = 1000	0,52	0,16	125	47
TD 56 N					64/77									48
DT 56 N														
TT 60 N	800...1600	120	1400	9,8	60/85	0,8	3,4	150	120	F = 1000	0,52	0,16	125	50
TD 60 N					76/68									
DT 60 N														
TT 61 N	800...1600	120	1400	9,8	60/85	0,8	3,4	150	120	F = 1000	0,52	0,16	125	51
TD 61 N					76/68									
DT 61 N														
TT 66 N	800...1600	120	1400	9,8	66/85	0,85	3,2	120	80	F = 1000	0,5	0,16	130	47
TD 66 N					77/74									48
DT 66 N														
TT 75 N	800...1600	150	1700	14,4	75/85	0,85	2,6	150	180	F = 1000	0,39	0,1	125	50
TD 75 N					95/70									
DT 75 N														
TT 92 N	800...1600	160	1800	16,2	92/85	0,85	2,15	150	150	F = 1000	0,37	0,1	130	51
TD 92 N					104/76									
DT 92 N														
TT 93 N	800...1600	150	1850	17,1	93/85	0,85	2,2	120	120	F = 1000	0,36	0,1	130	48
TD 93 N					96/83									49
DT 93 N														
TT 95 N	800...1600	150	1700	14,4	95/85	0,85	2,6	150	200	F = 1000	0,39	0,1	140	50
TD 95 N														
DT 95 N														
TT 104 N	800...1600	160	1800	16,2	104/85	0,85	2,15	150	150	F = 1000	0,37	0,1	140	51
TD 104 N														
DT 104 N														
TT 105 N	800...1600	160	2200	24	105/85	0,85	1,8	120	120	F = 1000	0,33	0,1	130	48
TD 105 N														49
DT 105 N														

Most types of the power modules have been UL-recognized



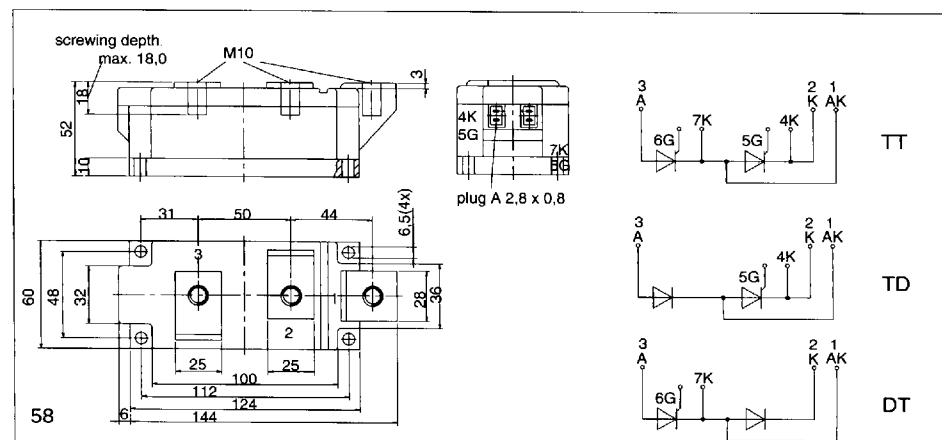
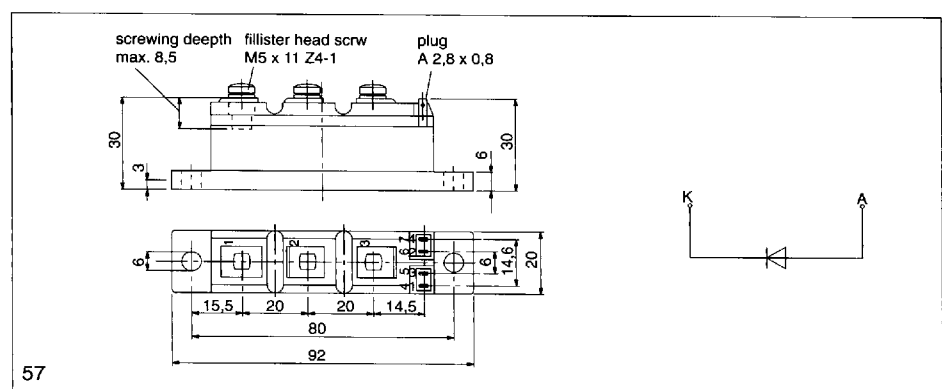
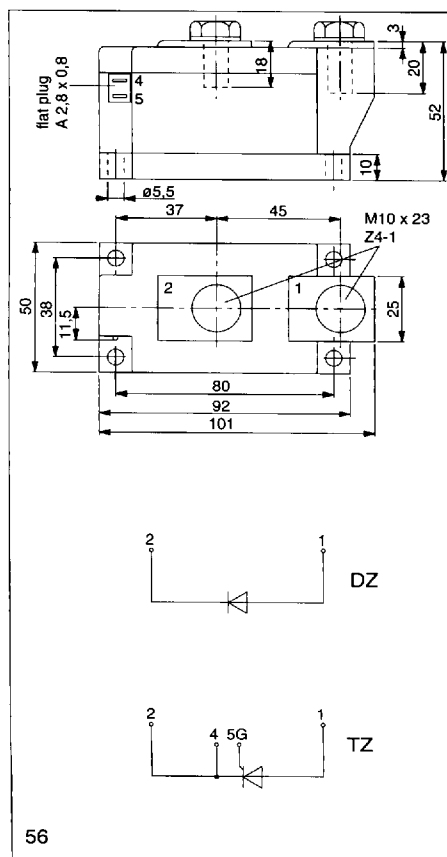
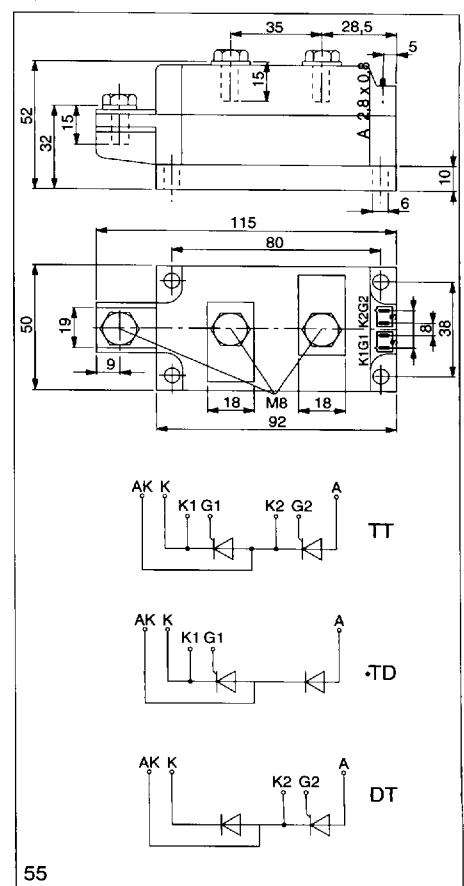
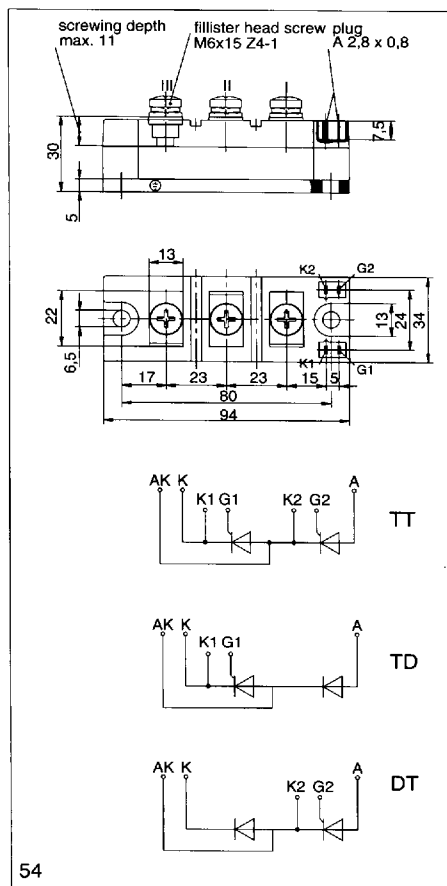
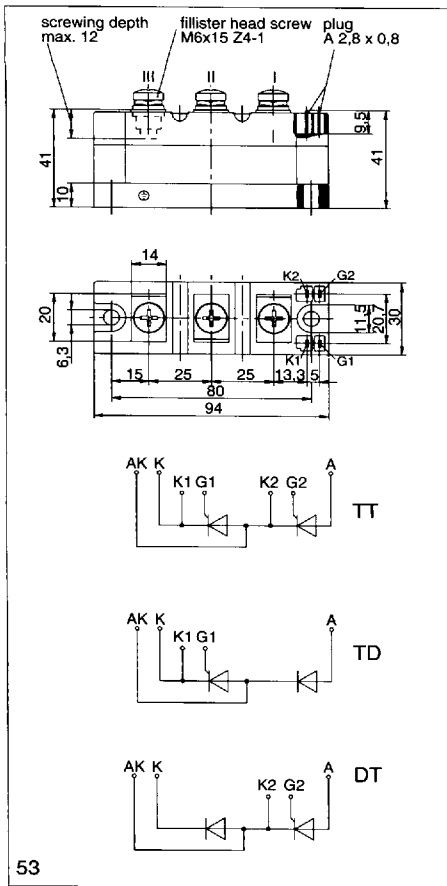
Phase control thyristor modules

continued

Type	V_{DRM} V_{RRM} V $V_{DSM} = V_{DRM}$ $V_{RSM} =$ $V_{RRM} + 100V$	I_{TRMSM} A	I_{TSM} A 10 ms, $t_{vj \max}$	$\int i^2 dt$ A ² s 10ms, $t_{vj \max}$ *10 ³	I_{TAVM}/t_c A/°C 180° el sin	$V_{(TO)}$ V $t_{vj} =$ $t_{vj \max}$	r_T mΩ $t_{vj} =$ $t_{vj \max}$	$(di/dt)_{cr}$ A/μs DIN IEC 747-6	t_q μs typ.	$(dv/dt)_{cr}$ V/μs DIN IEC 747-6	R_{thJC} °C/W 180° el sin	R_{thCK} °C/W	$t_{vj \max}$ °C	outline
Baseplate = 25 mm														
TT 70 N	1600...2400*	150	1450	10,50	70/85 96/61	1,00	3,8	100	300	C = 500 F = 1000	0,35	0,08	125	52
TT 85 N	2000	180	2000	20,00	85/85	0,90	2,6	150	150	F = 1000	0,33	0,08	125	52
TD 85 N					115/63									
DT 85 N														
TT 106 N	800...1800	180	2000	20,00	106/85	0,90	2,6	150	150	F = 1000	0,33	0,08	140	52
TD 106 N					115/78									
DT 106 N														
Baseplate = 30 mm														
TT 121 N	1000...1800	200	2350	27,60	121/85	0,85	2	150	180	F = 1000	0,23	0,06	125	53
TD 121 N					128/81									
DT 121 N														
TT 131 N	800...1400	220	3200	51,20	131/85	0,85	1,5	150	180	F = 1000	0,23	0,06	125	53
TD 131 N					140/81									
DT 131 N														
Baseplate = 34 mm														
TT 122 N	1600...2400	220	2950	43,50	122/85	1,00	2,15	100	300	C = 500 F = 1000	0,2	0,06	125	54
					140/76									
TT 142 N	800...1600	230	4100	84,00	142/85	0,90	1,1	150	200	F = 1000	0,22	0,06	125	54
TD 142 N														
DT 142 N														
TT 162 N	800...1600	260	4400	97,00	162/85	0,85	0,95	150	200	F = 1000	0,2	0,06	125	54
TD 162 N														
DT 162 N														
Baseplate = 50 mm														
TT 150 N	1800...2600	350	4000	80,00	150/85	1,20	2,3	60	300	C = 500 F = 1000	0,13	0,04	125	55
TD 150 N					223/54									
DT 150 N														
TT 170 N	800...1600	350	4600	106,00	170/85	0,95	1	150	250	F = 1000	0,17	0,04	125	55
TD 170 N					223/68									
DT 170 N														
TT 210 N	800...1800	410	5800	168,00	210/85	1,00	0,85	150	250	F = 1000	0,13	0,04	125	55
TD 210 N														
DT 210 N														
TT 215 N	1800...2400*	410	6300	198,00	215/85	0,95	0,92	100	300	C = 500 F = 1000	0,13	0,04	125	55
					261/73									
TT 250 N	800...1800	410	7000	245,00	250/85	0,80	0,7	150	250	F = 1000	0,13	0,04	125	55
TD 250 N					261/82									
DT 250 N														
TT 251 N	800...1800	410	8000	320,00	250/85	0,80	0,7	250	250	F = 1000	0,13	0,04	125	55
TD 251 N					261/82									
DT 251 N														
TT 265 N	200... 600	450	5500	151,00	265/79	0,80	0,65	200	200	F = 1000	0,17	0,04	140	55
TD 265 N					286/79									
DT 265 N														

Most types of the power modules have been UL-recognized

* Delivery for large quantities on request



Phase control thyristor modules

continued

Type	V_{DRM} V_{RRM} V $V_{DSM} = V_{DRM}$ $V_{RSM} =$ $V_{RRM} + 100V$	I_{TRMSM} A	I_{TSM} A 10 ms, $t_{vj\ max}$	$\int i^2 dt$ A ² s 10ms, $t_{vj\ max}$ *10 ³	I_{TAVM}/t_c A/°C 180° el sin	$V_{(TO)}$ V $t_{vj} =$ $t_{vj\ max}$	r_T mΩ $t_{vj} =$ $t_{vj\ max}$	$(di/dt)_{cr}$ A/μs DIN IEC 747-6	t_q μs typ.	$(dv/dt)_{cr}$ V/μs DIN IEC 747-6	R_{thJC} °C/W 180° el sin	R_{thCK} °C/W	$t_{vj\ max}$ °C	outline
TT 285 N TD 285 N DT 285 N	1200...1600	450	8000	320	285/92	0,8	0,7	250	250	F = 1000	0,13	0,04	140	55
TZ 310 N	2000...2600	700	8000	320	310/85 445/58	1	0,86	120	300	C = 500 F = 1000	0,074	0,02	125	56
TZ 425 N	800...1800*	800	12500	781	425/85 510/74	0,9	0,3	120	250	F = 1000	0,074	0,02	125	56
▼ TZ 430 N	1800...2400	1050	1200	720	430/85 670/53	0,95	0,45	150	300	C = 500 F = 1000	0,062	0,02	125	56
TZ 500 N	800...1600	1050	14500	1051	500/85 670/66	0,9	0,27	200	250	F = 1000	0,062	0,02	125	56
Baseplate = 60 mm														
TT 310 N TD 310 N DT 310 N	2000...2600	700	9000	405	310/85 445/58	1	0,86	120	300	C = 500	0,078	0,02	125	58
TT 425 N TD 425 N DT 425 N	800...1800*	800	12500	781	425/85 510/73	0,9	0,3	120	250	F = 1000	0,078	0,02	125	58
TT 430 N TD 430 N DT 430 N	1800...2400*	800	12000	720	430/85 510/75	0,95	0,45	150	300	C = 500 F = 1000	0,065	0,02	125	58
TT 500 N TD 500 N DT 500 N	800...1600	900	14500	1051	500/85 573/77	0,9	0,27	200	250	F = 1000	0,065	0,02	125	58

Most types of the power modules have been **UL**-recognized

▼ New type

* Delivery for large quantities on request