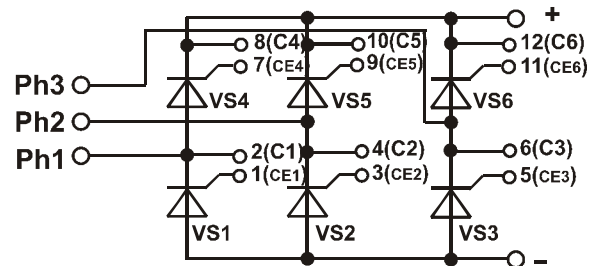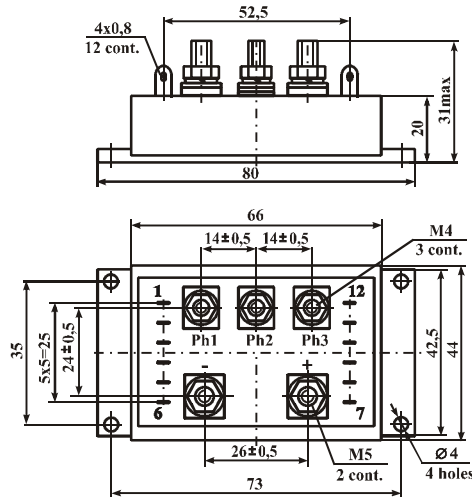## THREE-PHASE THYRISTOR BRIDGE MODULE
M24M-63-12

DATASHEET IN BRIEF

A three-phase thyristor bridge module with control of six thyristors is intended for rectifying (converting of AC into pulsating direct voltage).

OVERALL DRAWING AND MODULE CIRCUIT

BASIC CHARACTERISTICS

Ta = 25 °C

Product name	Pulse voltage in thyristor on-state, U_{TM} , V		Current in off-state thyristor/ rectifier inverse current, I_D / I_R, mA		Thyristor gate trigger DC voltage, U_{GT}, V	Thyristor gate trigger DC, I_{GT}, mA	Electric isolation strength at DC between radiator and outputs, U_{ISOL}, V		Thyristor non-trigger DC voltage, U_{GD}, V T_j = 125 °C	Junction to radiator thermal resistance Rth(j-c), °C/W
	max	I_O, A amplit. value	max	U_D/U_R, V	max	max	min	t, minute	max	max
M24M-63-12	1.65	$\frac{\pi}{3} \bullet I_O$, 10 ms, 50 Hz, sinus	2.0	± 1200	3.0	200	4000	1	0.25	1.00

MAXIMUM ALLOWABLE OPERATING MODES

Product name	Thyristor repetitive/non-repetitive pulse voltage off-state, U_{RRM} / U_{DRM}, V	Average rectified current, I_O, A T_{rad}=85 °C	Linear voltage (rms.), U_{lin}, V	Non-repetitive surge DC, I_{TSM} , A		Critical rate of rise of reverse voltage, $(du_R / dt)cr$, V/µs	DC critical rate of rise, $(di_T / dt)cr$, A/µs	Junction temperature T_{VJ} *, °C	
	max	max	max	max	t, ms	max	max	min	max
M24M-63-12	± 1200	63	840	300	10	1000	150	- 40	+125

*the modules are designed for operating in the equipment with using of coolers that support transition temperature in the prescribed ranges

Precious metals are not contained.