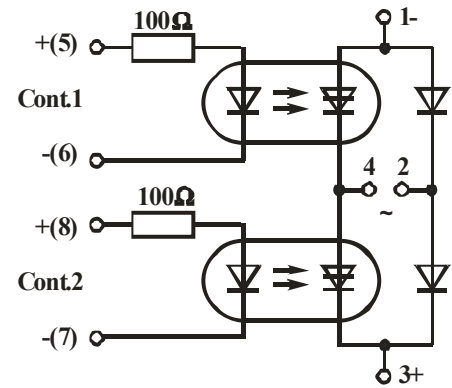
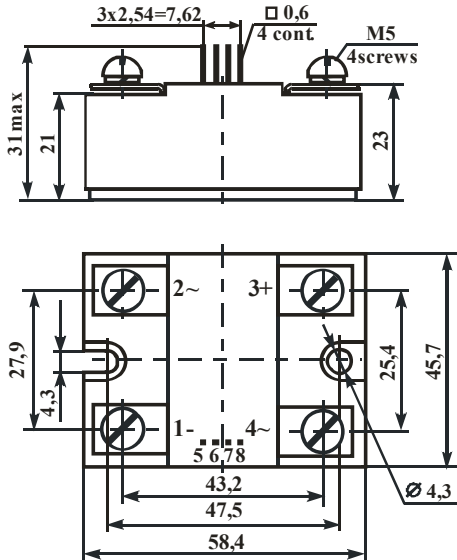


SINGLE-PHASE OPTOTHYRISTOR BRIDGE MODULE MO21-63-12; MO21A-63-12

TICKET

Single-phase thyristor-diode bridge module with thyristors control connected to “positive” and “negative” outputs is intended for rectifying conversion of AC into pulsating DC voltage).

OVERALL DRAWING AND ELECTRIC CIRCUIT



BASIC CHARACTERISTICS

T = 25 °C

Product name	Peak voltage in thyristor on-state / direct diode peak voltage, U_{TM} / U_{FM} , V		Bridge port current (closed state), I_D , mA		Open state voltage on control input U_{Gon} , V		Electric isolation at DC, U_{ISOL} , V	Isolation resistance between: power outputs and controlling outputs/ power outputs and radiator, R_{ISOL} , M Ω	Thermal transition-housing radiator resistance R_{thic} , °C/W		
	max	I_{OUT} , A	max	U_{OUT} , V	min	max			I_{Gon} , mA	thyristor	diode
MO21-63-12 MO21A-63-12	1.65	63	± 1.5	± 1200	3.0	4.2	10	4000	100 / 10	1.0	1.3

MAXIMUM ALLOWABLE OPERATING MODES

Product name	Linear voltage (rms), U_{lin} , V		Average rectified module current, I_o , A		Non-repetitive surge DC $I_{F(SM)}$ $I_{T(SM)}$, A		Control current I_G , mA		Critical rate of rise		Junction temperature, T_{VJ}^* , °C	
	min	max	min	max	max	t_s , ms	min	max	open state current, (di_T / dt) cr, A/ μ s	closed state voltage, (du_d / dt) cr, V/ μ s	min	max
MO21-63-12	50	840	0.2	63	300	10	10	30	150	1000	-40	+125
MO21A-63-12	12											

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

Precious metals are not contained