

## MODULE OF THREE-PHASE DIODE BRIDGE M6-63-12; M6-100-12; M6-160-12; M6-200-12; M6-250-12

### DATASHEET IN BRIEF

A three-phase diode bridge module is intended for rectifying (conversion of alternating voltage into pulsating direct voltage).

### OVERALL DRAWINGS AND MODULES CIRCUIT

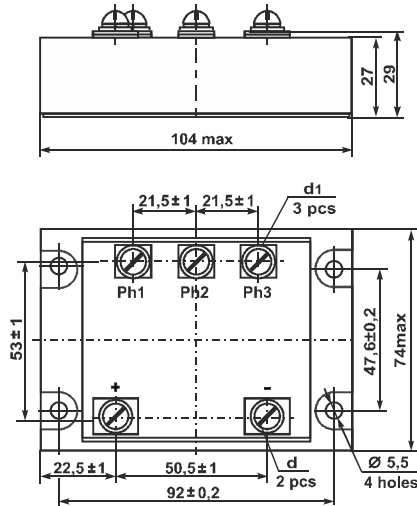


Figure 1

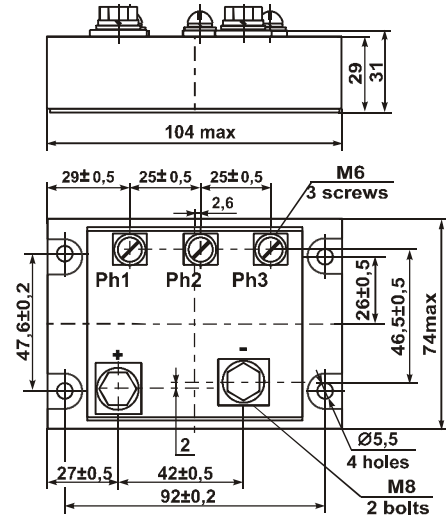
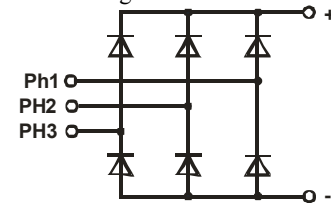


Figure 2



Product name	Figure	d	d <sub>1</sub>
M6-63-12	1	screw M5	screw M5
M6-100-12	1	screw M6	screw M5
M6-160-12	1	screw M6	screw M5
M6-200-12	2	-	-
M6-250-12	2	-	-

### BASIC CHARACTERISTICS

T<sub>amb</sub> = 25 °C

Product name	Reverse rectifier current, I <sub>R</sub> , mA		Diode pulse direct voltage, U <sub>FM</sub> , V		Electric isolation strength at DC between radiator and outputs, U <sub>ISOL</sub> , V		Thermal junction-cooler to diode resistance R <sub>th(j-c)</sub> , °C / W	
	max	U <sub>RRM</sub> , V	max	I <sub>o</sub> , A	min	t, minute	max	
M6-63-12	2	1200	1.65	63	4000	1	1.3	
M6-100-12				100			0.6	
M6-160-12				160			0.4	
M6-200-12				200			0.3	
M6-250-12				250			0.2	

### MAXIMUM ALLOWABLE OPERATING MODES

Product name	Diode pulse reverse voltage		Average rectified module current, I <sub>o</sub> , A	Linear voltage (rms) U <sub>lin</sub> , V		Surge DC, I <sub>FSM</sub> , A		Maximum switching frequency, f <sub>com</sub> , kHz	Junction temperature, T <sub>VJ</sub> , * °C	
	non-repetitive, U <sub>RSM</sub> , V	repetitive, U <sub>RRM</sub> , V		min	max	max	T <sub>J</sub> , °C		min	max
	min	min	max							
M6-63-12	1300	1200	63	840	125	3	-40	+125		
M6-100-12			100							
M6-160-12			160							
M6-200-12			200							
M6-250-12			250							

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

Precious metals are not contained.