

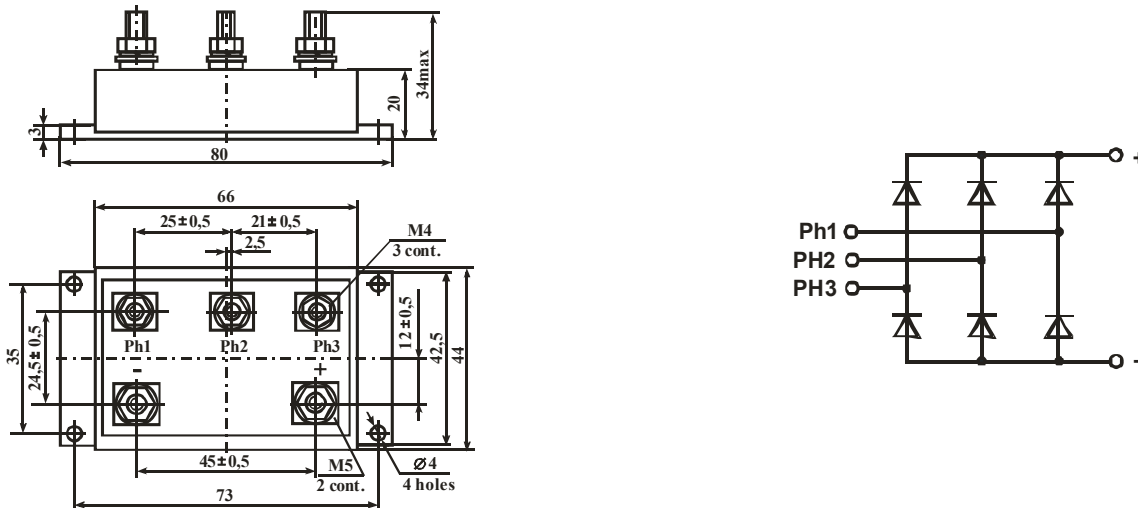
THREE-PHASE DIODE BRIDGE MODULE

M6M-63-12; M6M-100-12

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



BASIC CHARACTERISTICS

T = 25 °C

Product name	Reverse rectifier current, I _R , mA		Diode pulse DC voltage, U _{FM} , V		Electric DC isolation strength between radiator and outputs, U _{ISOL2} , V		Thermal junction-cooler to diode resistance R _{th(j-c)} , °C / W	
	max	U _{RRM} , V	max	I _O , A	min	t, minute	max	
M6M-63-12	2	1200	1.65	63	4000	1	1.3	
M6M-100-12				100			0.6	

MAXIMUM-ALLOWABLE OPERATING MODES

Product name	Pulse reverse diode voltage		Average rectified module current, I _O , A	Linear voltage (rms) U _{lin} , V	Surge DC, I _{FSM} , A		Maximum switching frequency, f _{com} , kHz	Junction temperature, T _{VJ} *, °C	
	non-repetitive, U _{RSM} , V	repetitive, U _{RRM} , V			T _j , °C	min max			
	max	max	max	max		min	max		
M6M-63-12	1300	1200	63	840	300	125	3	- 40	+125
M6M-100-12			100		600				

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

Precious metals are not contained.

MANUFACTURER GUARANTEES

The guarantee lifetime – is two years from the day of putting into operation within the storage period.

Storage period is 10 years.

Service life of the modules is 10 years.

