

MODULE OF THREE-PHASE DIODE BRIDGE

M6-63-16; M6-100-16; M6-160-16; M6-200-16; M6-250-16

DATASHEET IN BRIEF

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

OVERALL DRAWING AND MODULES CIRCUIT

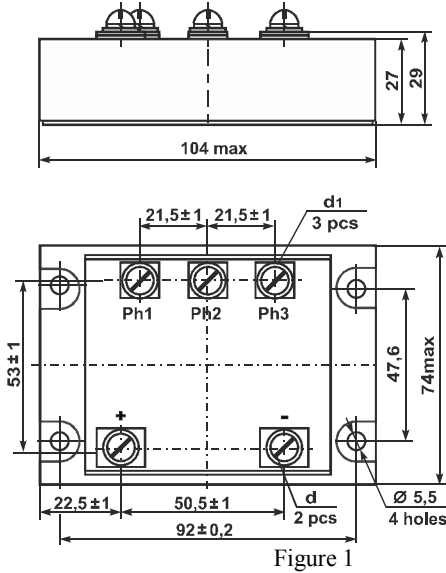


Figure 1

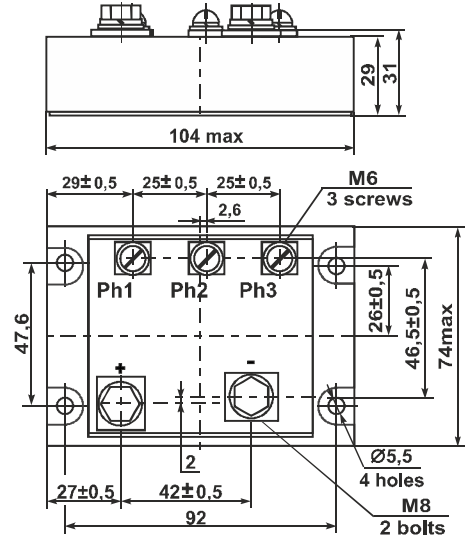
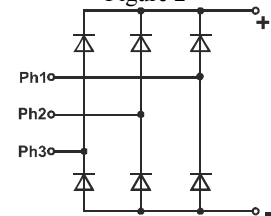


Figure 2

Device symbol	Fig.	d	d ₁
M6-63-16	1	Screw M5	Screw M5
M6-100-16	1	Screw M6	Screw M5
M6-160-16	1	Screw M6	Screw M5
M6-200-16	2	-	-
M6-250-16	2	-	-



BASIC CHARACTERISTICS

T_a = 25 °C

Product name	Reverse rectifier current, I _R , mA		Diode pulse DC voltage, U _{FM} , V		Electric isolation strength at DC current through radiator and outputs, U _{ISOL} , 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	
M6-63-16	2	1600	1.65	63	4000	1	1.3	
M6-100-16				100			0.6	
M6-160-16				160			0.4	
M6-200-16				200			0.3	
M6-250-16				250			0.2	

MAXIMUM PERMISSIBLE 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		min	max	max	T _J , °C		min	max
	min	min								
M6-63-16	1600	1600	63	1150	1200	125	3	- 40	+125	
M6-100-16			100							600
M6-160-16			160							1200
M6-200-16			200							1400
M6-250-16			250							1600

* 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.