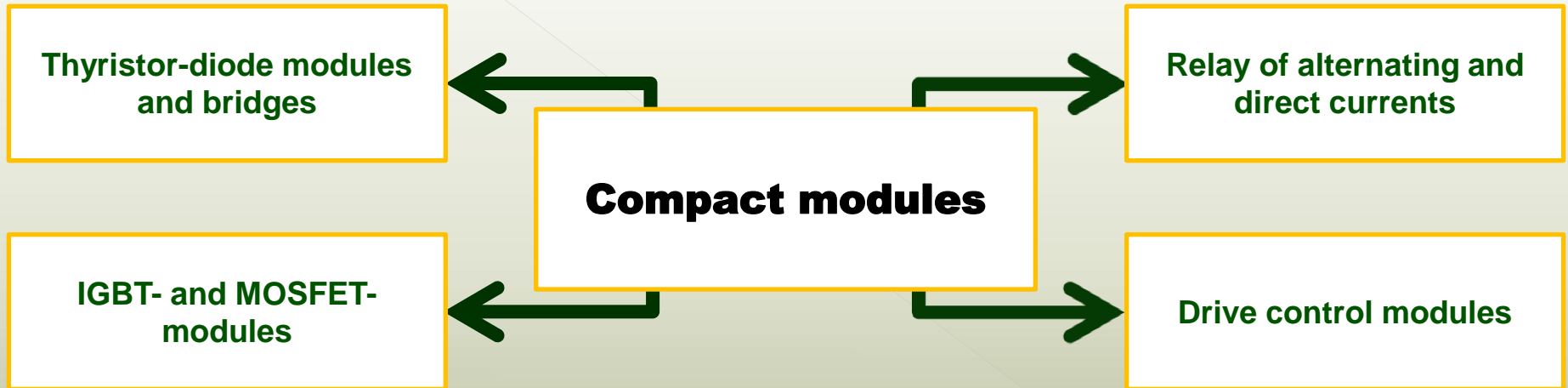


**ELECTRUM**



**compact modules**

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The compact modules are intended to operate in low-power circuits (peak voltage up to 1200 V, current up to 100 A) and are represented by two groups:

for mounting to the printing board with marks: PP1, PP2, PP4, PP6, M31Sip;

for mounting to the cooler with marks: PP3, PP5, S4, S5, M, BDCMCM, VM.

**In the cells of the tables are shown current/peak voltage.**

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### Modules for mounting into printing board

Type	Application	Housing				
		PP1	PP2	PP4	PP6	M31Sip
<b>Thyristor-diode modules and bridges</b>						
M5	Single-phase diode rectifier bridges		6.3/1200			
M6	Three-phase diode rectifier bridges		6.3/1200			
<b>AC relays</b>						
MO8	AC single-phase relay	4 / 1200	4 / 1200			
2MO8	AC dual single-phase relay			4 / 1200		
<b>IGBT- and MOSFET- modules</b>						
M13A	Three-phase inverter			2 / 100 2 / 200 1 / 600		
M13B	H-bridge			2 / 100 2 / 200 1 / 600		
<b>Drive control modules</b>						
M31Sip	Three-phase intelligent inverter with inbuilt drivers current protection					10 / 600
MDK	DC commutator drive control module			1,3,5 / 55		
MDB	Control module of brushless drive with rotor position sensor			1,3,5 / 55		

### Modules for mounting into printing board (continuation)

Type	Application	Housing				
		PP1	PP2	PP4	PP6	M31Sip
DC relay						
MT14	Single relay with transformer decoupling based on MOSFET-transistor	5 / 100 5 / 200 5 / 400 5 / 800	5 / 100 5 / 200 5 / 400 5 / 800		2.5 / 100 2.5 / 200	
MT14PT	Single relay with transformer decoupling based on MOSFET-transistor with function of current overload protection	5 / 60 5 / 100 5 / 200 2.5 / 400	5 / 60 5 / 100 5 / 200 2.5 / 400			
2MT14PT	Dual relay with transformer decoupling based on MOSFET-transistor with function of current overload protection			5 / 60 5 / 100 5 / 200 2.5 / 400		
MT15	Single relay with transformer decoupling based on IGBT-transistor	2.5 / 600 2.5/1200			2.5 / 600 2.5/1200	
MT15PT	Single relay with transformer decoupling based on IGBT-transistor with function of current overload protection	2 / 600 2 / 1200	2 / 600 2 / 1200			

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### Modules for mounting on cooler

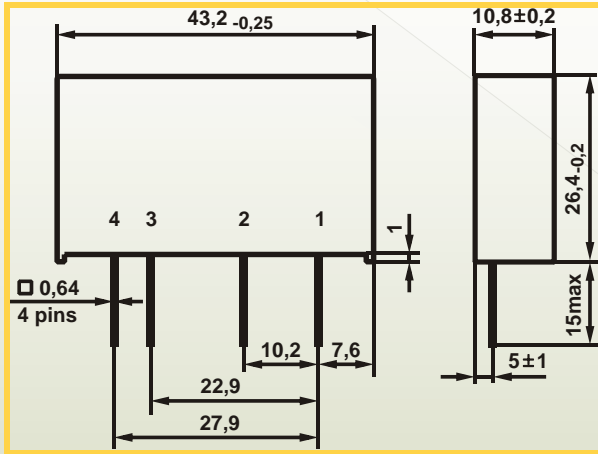
Type	Application	Housing						
		M	PP3	PP5	S4	S5	VM	BDCMCM
<b>Thyristor-diode modules and bridges</b>								
M5	Single-phase diode rectifier bridges	63,100 / 1200	25/1200					
M6	Three-phase diode rectifier bridges	63,100 / 1200	25/1200					
M23M	Three-phase diode-thyristor (thyristors in cathode group) rectifier bridge	63/1200						
M24M	Three-phase thyristor rectifier bridge	63/1200						
RM-1	Single-phase diode-thyristor (thyristors in cathode group) rectifier bridge						15,25,45 / 1200	
RM-2	Single-phase diode-thyristor (thyristors in anode group) rectifier bridge						15,25,45 / 1200	
RM-3	Single-phase thyristor rectifier bridge						15,25,45 / 1200	
RM-4	Back-to-back thyristors						15,25,45 / 1200	
RM-5	Single-phase diode rectifier bridge						15,25,45 / 1200	
<b>IGBT- and MOSFET-modules</b>								
M13A	Three-phase inverter	10 / 100, 200, 600, 1200						
M13B	H-bridge	10 / 100, 200, 600, 1200						
M13A	Three-phase inverter				30 / 600 30/1200	50,75 / 1200		
M13A1	Three-phase inverter and three-phase rectifier bridge				10,30 / 600	30/1200		
M13A2	Three-phase inverter and single-phase rectifier bridge				10,30 / 600			
M13B	H-bridge				30 / 600			
M13E	Three-level inverter					30,50,75 / 1200		

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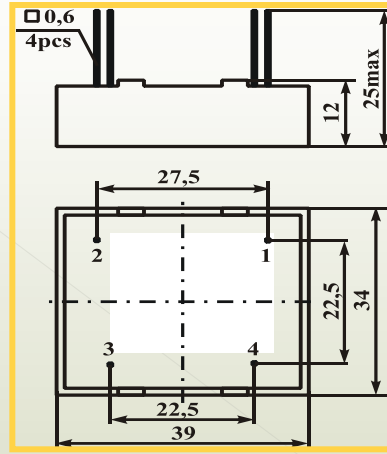
### Modules for mounting on cooler (continuation)

Type	Application	Housing					
		M	PP3	PP5	S4	S5	VM
<b>DC relay</b>							
TM14PT	Single relay with transformer decoupling based on MOSFET-transistor with function of current overload protection		10 / 60 10 / 100 8 / 200 5 / 400				
2TM14PT	Dual relay with transformer decoupling based on MOSFET-transistor with function of current overload protection			10 / 60 10/100 8 / 200 5 / 400			
TM15PT	Single relay with transformer decoupling based on IGBT-transistor with function of current overload protection		4 / 600 4 / 1200				
<b>Motor control modules</b>							
BDCMCM-1	Control module of commutator DC motor						5,10/100
BDCMCM-3	Control module of brushless motor with rotor position sensors						5,10/100

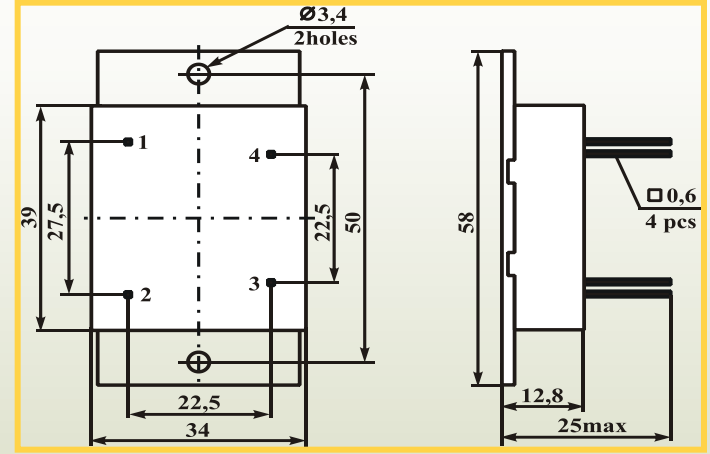
NEW SEMICONDUCTOR POWER IS COMING...



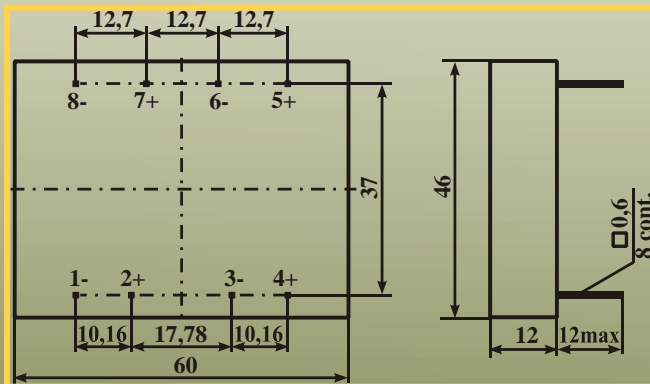
PP1



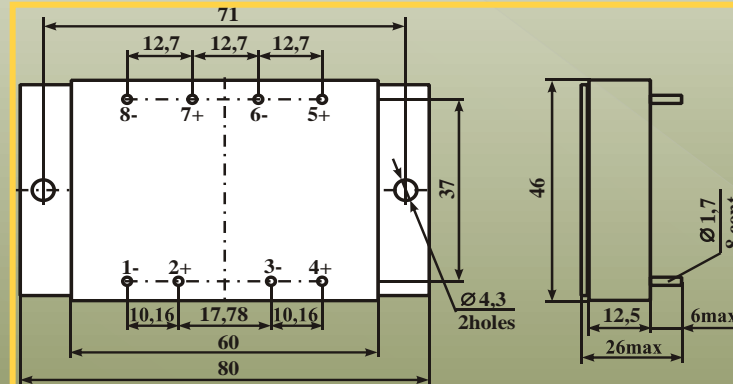
PP2



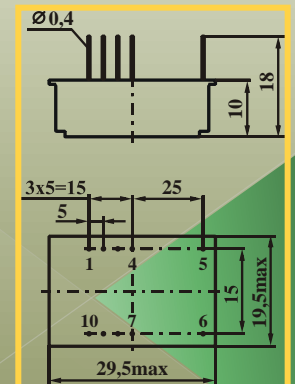
PP3



PP4

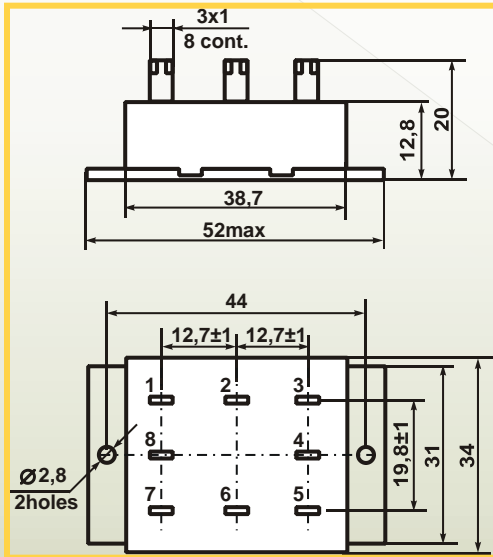


PP5

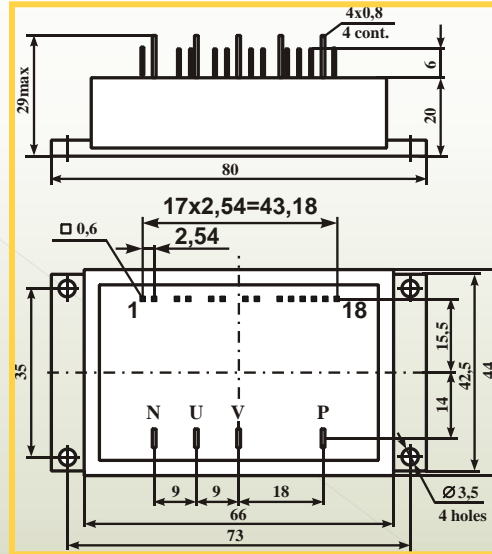


PP6

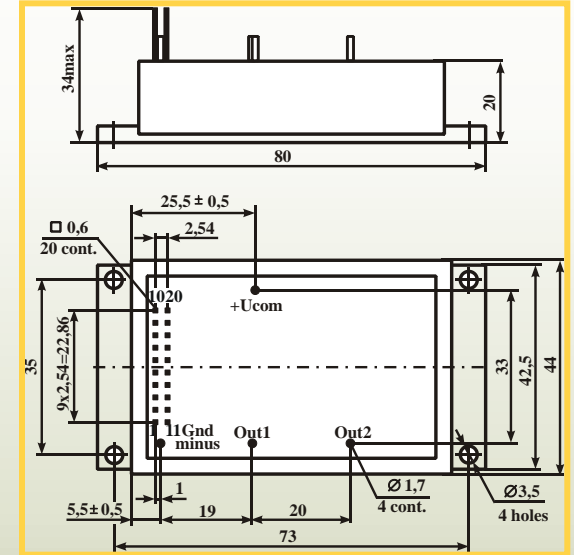
NEW SEMICONDUCTOR POWER IS COMING...



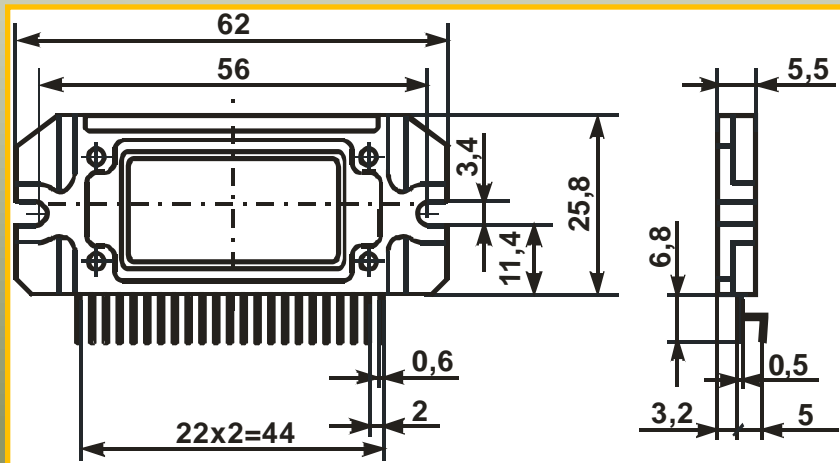
**RM**



**M**

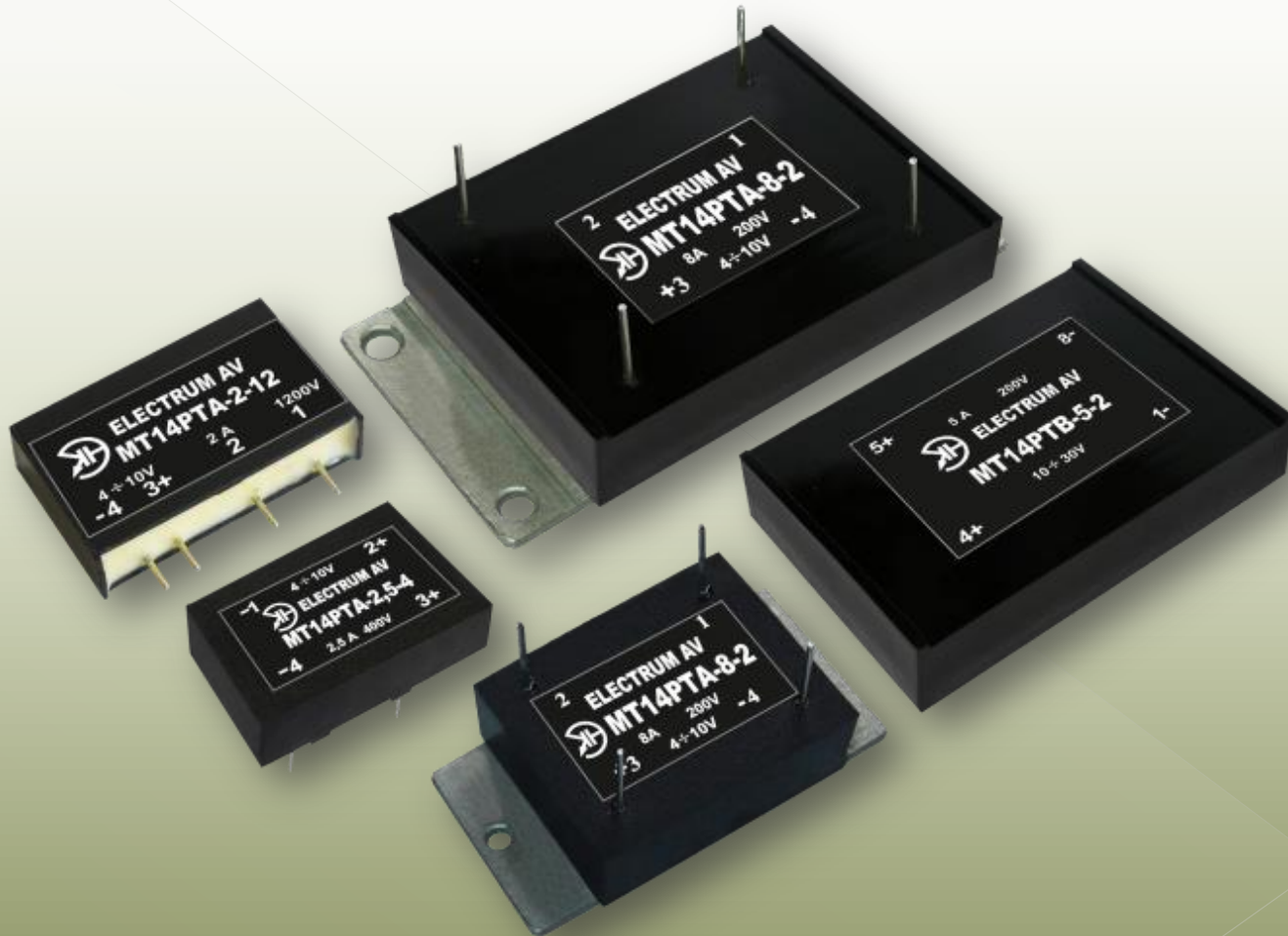


**BDCMCM**



**M31SIP**





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