

**DIODE-DIODE MODULES**  
**M4.3Sch, M4.3SchA**  
**40, 80, 120, 160, 200, 240, 320A 0,6 class**  
**DATASHEET IN BRIEF**

The module consisting of two Schottky diodes with general anode is intended for using composed of high-powered converters.

**OVERALL DRAWINGS**

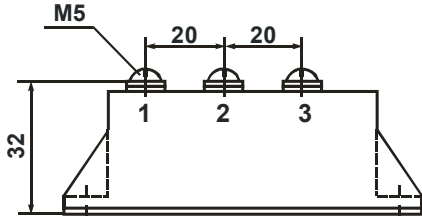


Figure 1 – Drawing of housing E1

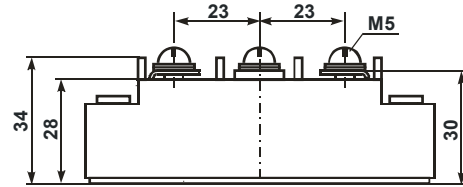


Figure 2 – Drawing of housing E2

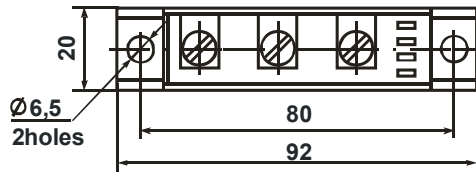


Figure 3 – Drawing of housing DM

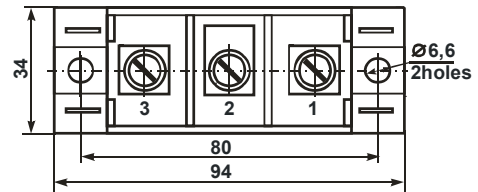


Figure 4 – Drawing of housing DM

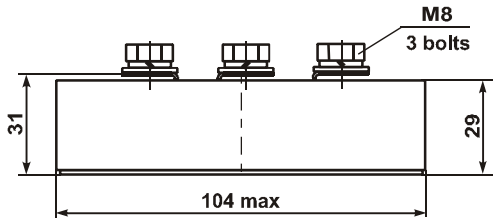


Figure 5 – Drawing of housing DM

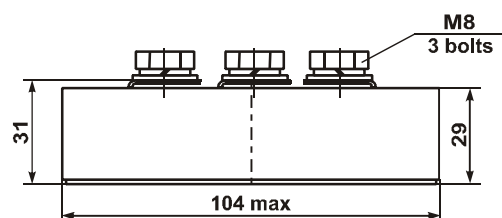


Figure 6 – Drawing of housing DM

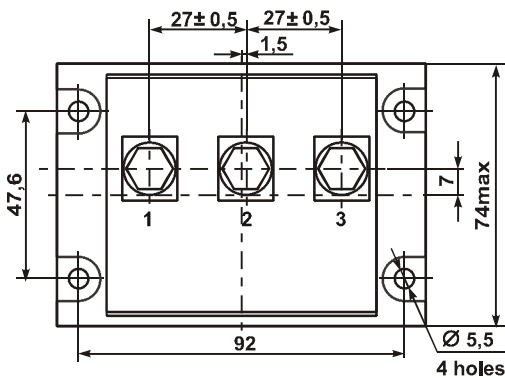


Figure 7 – Drawing of housing DM

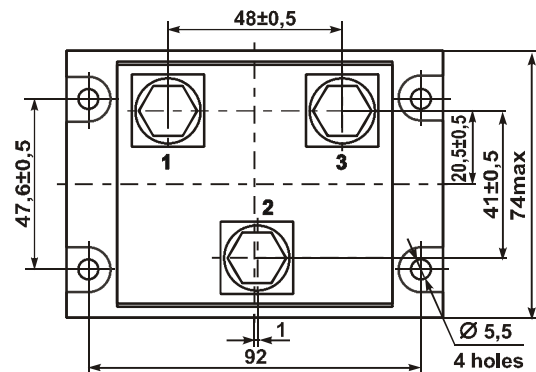


Figure 8 – Drawing of housing DM

**TABLE OF OVERALL DRAWINGS**

Module		Figure
M4.3Sch-40-0,6	M4.3 Sch A-40-0,6	1 or 2
M4.3 Sch -80-0,6	M4.3 Sch A-80-0,6	1 or 2
M4.3 Sch -120-0,6	M4.3 Sch A-120-0,6	2
M4.3 Sch -160-0,6	M4.3 Sch A-160-0,6	2
M4.3 Sch -200-0,6	M4.3Sch A-200-0,6	3
M4.3 Sch -240-0,6	M4.3Sch A-240-0,6	3
M4.3 Sch -320-0,6	M4.3Sch A-320-0,6	4

### INTERNAL CONNECTION SCHEME

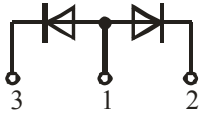


Figure 5 – Connection circuit M4.3Sch

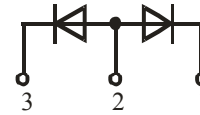


Figure 6 – Connection circuit M4.3SchA

### BASIC CHARACTERISTICS

T = 25 °C

Product name	Pulse direct voltage, $U_{FM}$ , V		Repeated pulse reverse current, $I_{RRM}$ , mA		Electric DC isolation strength between radiator and power outputs, $U_{ISOL}$ , V		Reverse recovery time, trr, ns		Thermal resistance junction-cooler $R_{th(j-c)}$ , °C/W
	max	$I_{OUT}$ , A	max	$U_{OUT}$ , V	min	t, minute	max	$I_{F(AV)}$ , A	
M4.3Sch(A)-40-0,6	1.65	126	1.0	60	4000	1	100	40	0.80
M4.3Sch(A)-80-0,6		251						80	0.50
M4.3Sch(A)-120-0,6		377						120	0.30
M4.3Sch(A)-160-0,6		503						160	0.25
M4.3Sch(A)-200-0,6		628						200	0.22
M4.3Sch(A)-240-0,6		754						240	0.16
M4.3Sch(A)-320-0,6		1005						320	0.12

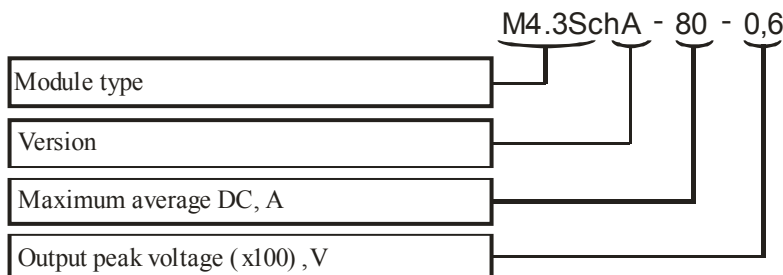
### MAXIMUM PERMISSIBLE OPERATING MODES

Product name	Non-repeated pulse reverse voltage $U_{RSM}$ , V	Repeated pulse reverse diode voltage $U_{RRM}$ , V	Average diode DC, $I_{F(AV)}$ , A	Root-mean-square diode DC $I_{FRMS}$ , A	Pulse diode DC $I_{FM}$ , A	Surge diode DC $I_{F(SM)}$ , A		Critical rate of on-state current rise, $(di_F / dt)_{cr}$ , A/μs	Junction temperature $T_{VJ}^*$ , °C		
						Q	t, ms		min	min	max
M4.3Sch(A)-40-0,6	60	60	40	63	80	2	10	160	-40	+125	
M4.3Sch(A)-80-0,6			80	125	160						300
M4.3Sch(A)-120-0,6			120	188	240						600
M4.3Sch(A)-160-0,6			160	251	320						900
M4.3Sch(A)-200-0,6			200	314	400						1200
M4.3Sch(A)-240-0,6			240	377	480						1500
M4.3Sch(A)-320-0,6			320	502	640						1800

\* Modules are designed for operating in the equipment using coolers that support junction temperature in the prescribed ranges

Precious metals are not contained.

### MODULE SYMBOL



Note – Ordering the module you should specify the housing type (E1, E2, DM)