Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

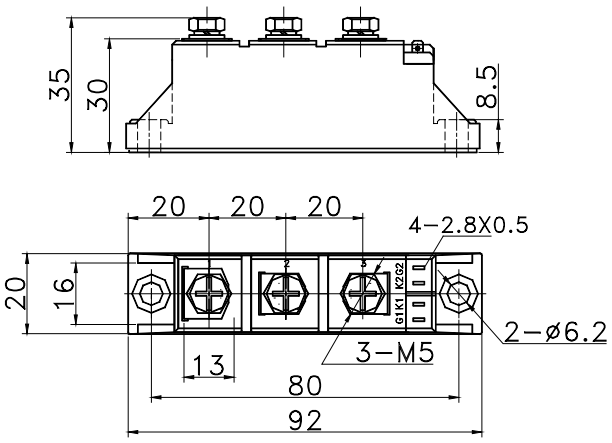
Typical Applications:

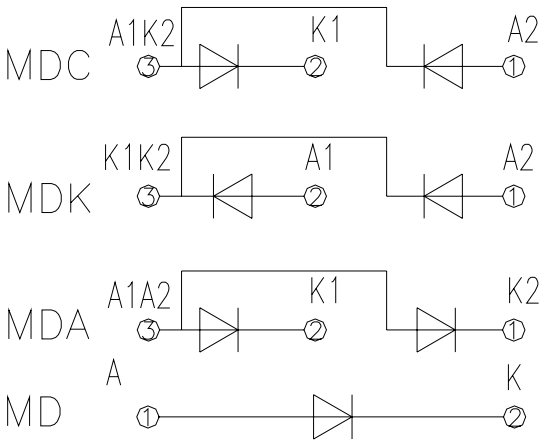
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **26A**
V_{RRM} **600~1800V**
I_{FSM} **0.65KA**
I^2t **$2.1A^2 S*10^3$**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			26	A
$I_{F\ (RMS)}$	RMS forward current		150			41	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			0.65	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				2.1	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					9.80	mΩ
V_{FM}	Peak forward voltage	I_{FM}=80A	25			1.65	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				1.300	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.2	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				115		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

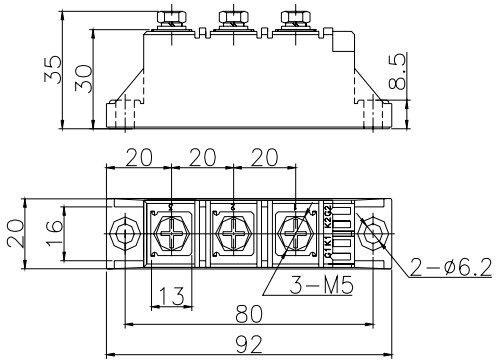
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **40A**
V_{RRM} **600~1800V**
I_{FSM} **1.0KA**
I^2t **5.1A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			40	A
$I_{F\ (RMS)}$	RMS forward current		150			63	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			1.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				5.1	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					5.57	mΩ
V_{FM}	Peak forward voltage	I_{FM}=120A	25			1.55	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.900	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.2	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				115		g

Outline:



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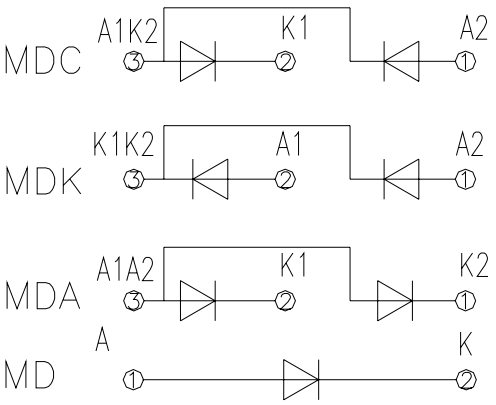


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

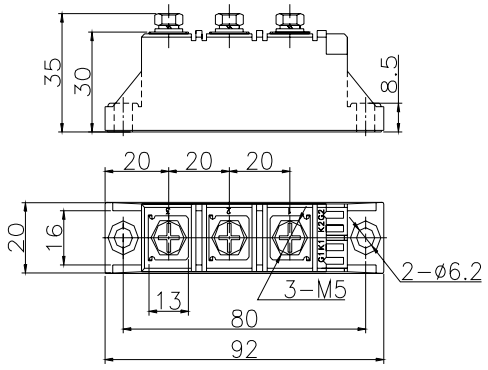
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **55A**
V_{RRM} **600~1800V**
I_{FSM} **1.3KA**
I^2t **8.6A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			55	A
$I_{F\ (RMS)}$	RMS forward current		150			86	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			1.30	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				8.6	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					3.47	mΩ
V_{FM}	Peak forward voltage	I_{FM}=170A	25			1.45	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.700	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.2	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				115		g

Outline:



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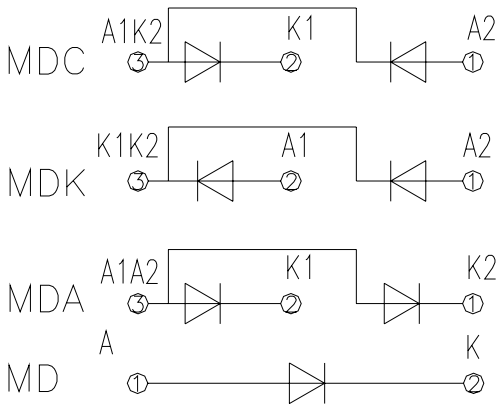


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

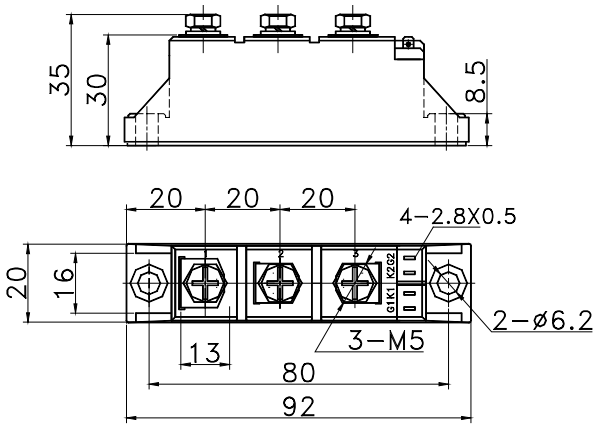
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **70A**
V_{RRM} **600~1800V**
I_{FSM} **1.8KA**
I^2t **16.5A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			70	A
$I_{F\ (RMS)}$	RMS forward current		150			110	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			1.80	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				16.5	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					2.50	mΩ
V_{FM}	Peak forward voltage	I_{FM}=210A	25			1.40	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.570	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.2	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				115		g

Outline:



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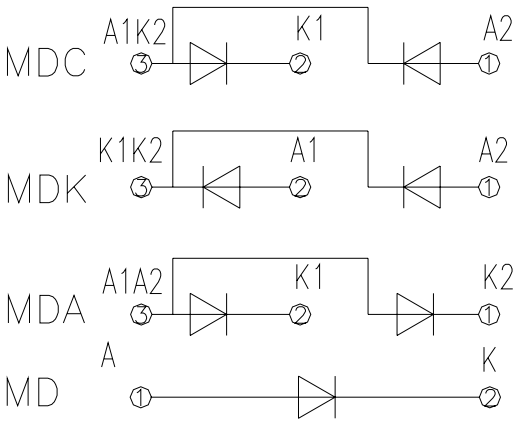


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

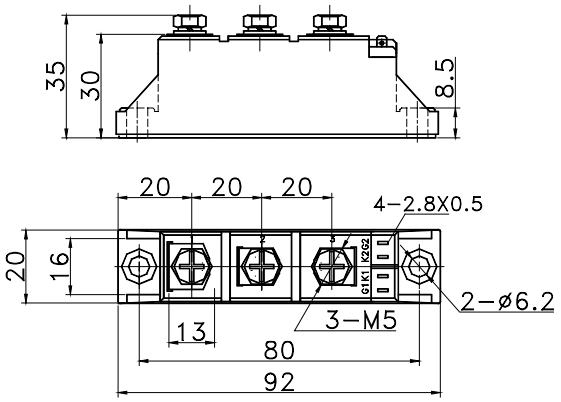
Typical Applications:

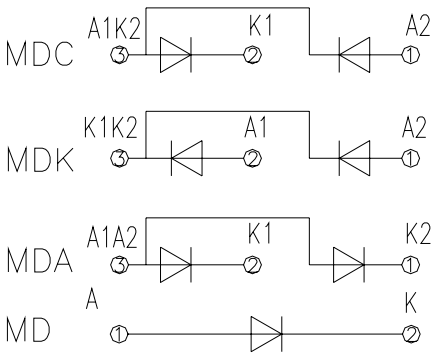
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **90A**
V_{RRM} **600~1800V**
I_{FSM} **2.3A×10³**
I^2t **26.9A² S*10³**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			90	A
$I_{F\ (RMS)}$	RMS forward current		150			141	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			2.30	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				26.9	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					1.70	mΩ
V_{FM}	Peak forward voltage	I_{FM}=270A	25			1.33	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.470	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.2	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				4		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				115		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

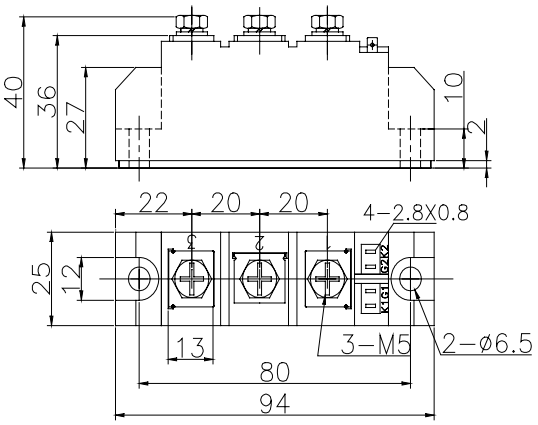
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **110A**
V_{RRM} **600~1800V**
I_{FSM} **2.6KA**
I^2t **34.4A² S*10³**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, T_C=100°C	150			110	A
$I_{F\ (RMS)}$	RMS forward current		150			173	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			2.60	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				34.4	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					1.74	mΩ
V_{FM}	Peak forward voltage	I_{FM}=330A	25			1.45	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.350	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.15	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				160		g

Outline:



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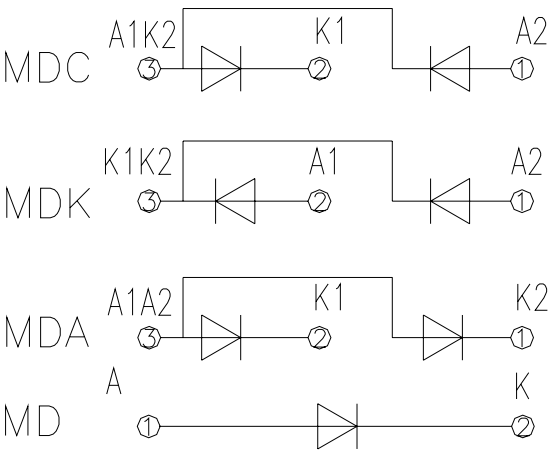


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

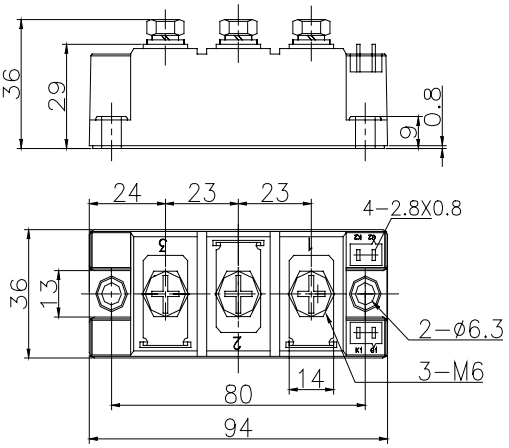
Typical Applications:

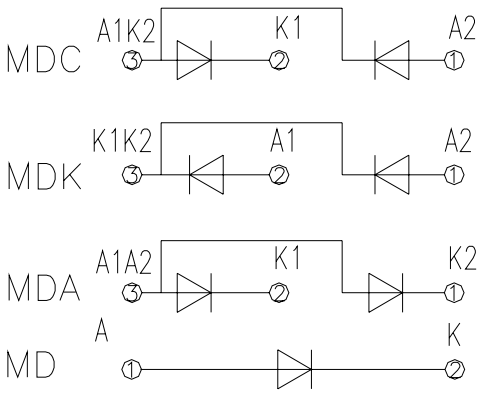
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	135A
V_{RRM}	600~1800V
I_{FSM}	$3.90A\times10^3$
I^2t	$77.5A^2S*10^3$

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			135	A
$I_{F(RMS)}$	RMS forward current		150			212	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			3.90	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				77.5	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					1.18	mΩ
V_{FM}	Peak forward voltage	I_{FM}=410A	25			1.38	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.310	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.08	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

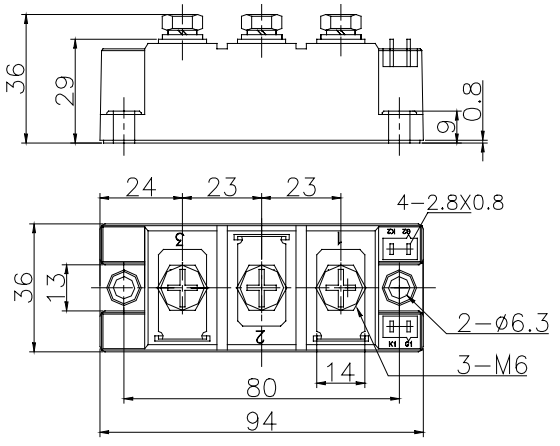
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **160A**
V_{RRM} **600~1800V**
I_{FSM} **6KA**
I^2t **184A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			160	A
$I_{F\ (RMS)}$	RMS forward current		150			251	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			6.00	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				184	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					1.35	mΩ
V_{FM}	Peak forward voltage	I_{FM}=480A	25			1.56	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.230	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.08	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				3.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g

Outline:



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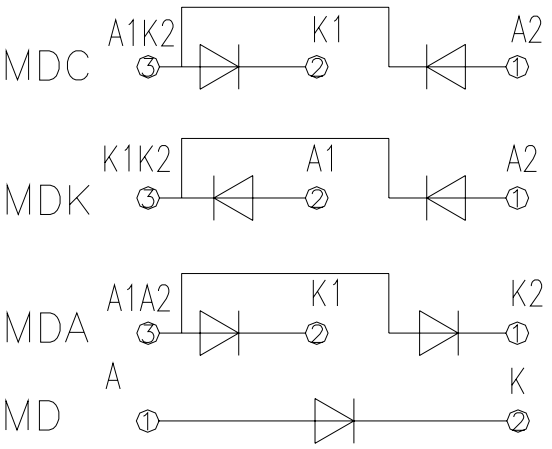


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

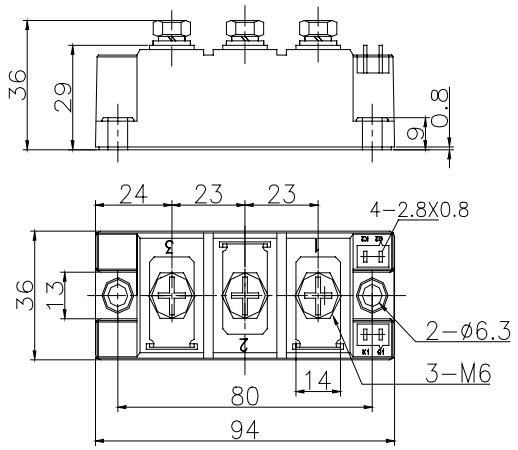
Typical Applications:

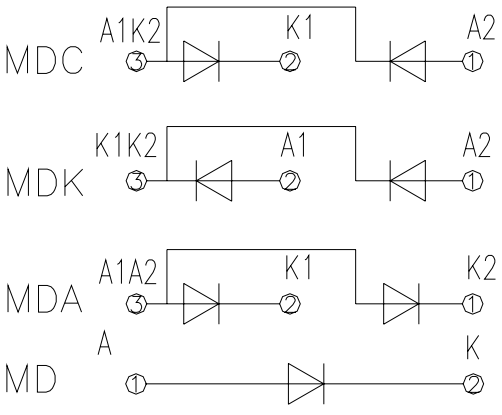
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **182A**
V_{RRM} **600~1800V**
I_{FSM} **$6.4A\times10^3$**
I^2t **$209A^2\ S*10^3$**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			182	A
$I_{F\ (RMS)}$	RMS forward current		150			286	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			6.40	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				209	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
R_F	Forward slop resistance					0.96	mΩ
V_{FM}	Peak forward voltage	I_{FM}=550A	25			1.43	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.220	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.08	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

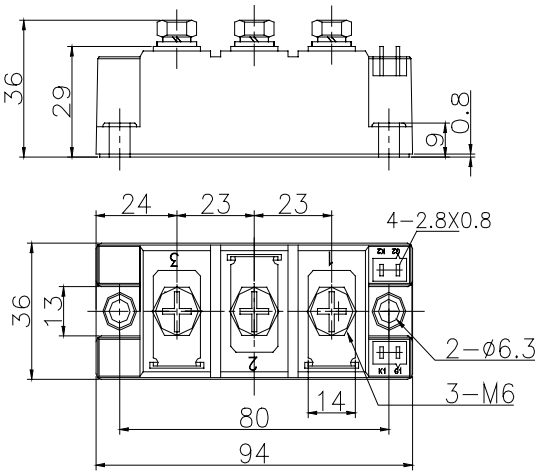
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **200A**
V_{RRM} **600~1800V**
I_{FSM} **8KA**
I^2t **326A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			200	A
$I_{F\ (RMS)}$	RMS forward current		150			314	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			8.00	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				326	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.88	mΩ
V_{FM}	Peak forward voltage	I_{FM}=600A	25			1.38	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.210	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.08	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				3.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g

Outline:



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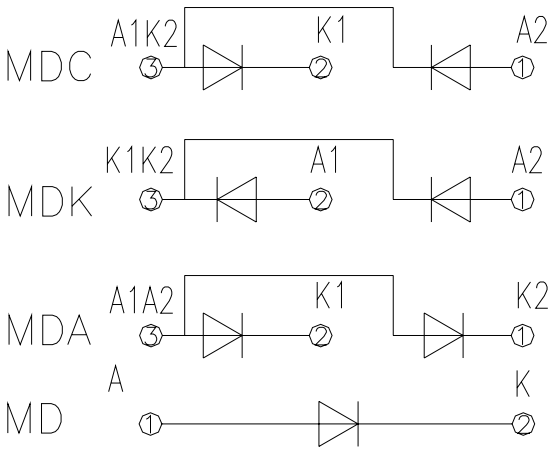


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

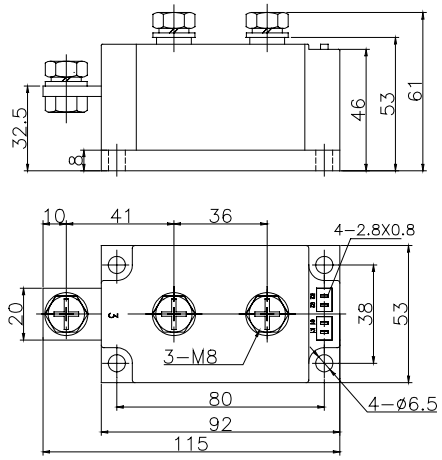
Typical Applications:

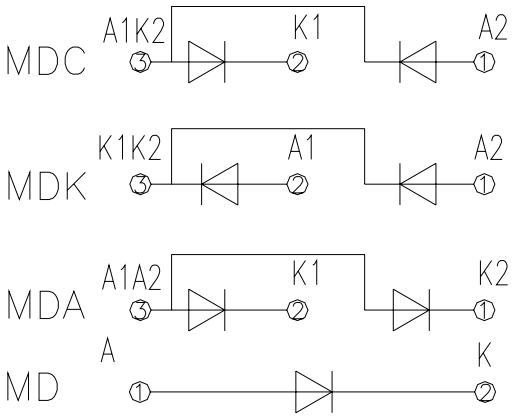
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	250A
V_{RRM}	600~1800V
I_{FSM}	$11A\times10^3$
I^2t	$617A^2S*10^3$

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			250	A
$I_{F(RMS)}$	RMS forward current		150			393	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			20	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			11.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				617	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.76	mΩ
V_{FM}	Peak forward voltage	I_{FM}=750A	25			1.43	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.14	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.04	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				12		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				860		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

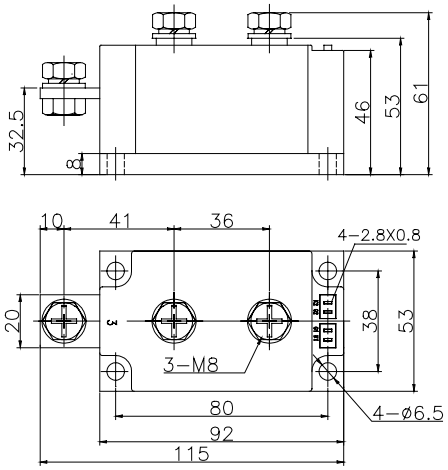
Typical Applications:

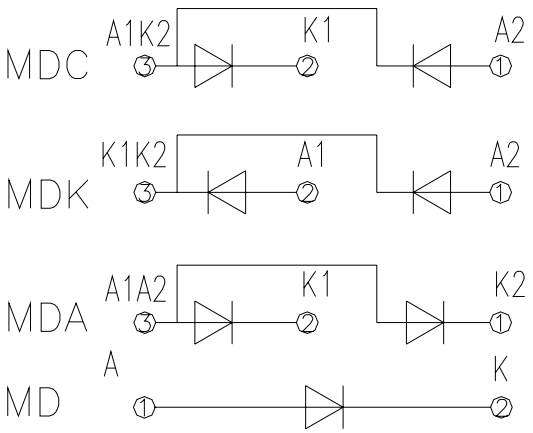
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **300A**
V_{RRM} **600~1800V**
I_{FSM} **12.5A×10³**
I^2t **797A² S*10³**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			300	A
$I_{F\ (RMS)}$	RMS forward current		150			471	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			20	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			12.5	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				797	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.55	mΩ
V_{FM}	Peak forward voltage	I_{FM}=900A	25			1.35	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.130	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.04	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				12		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				860		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

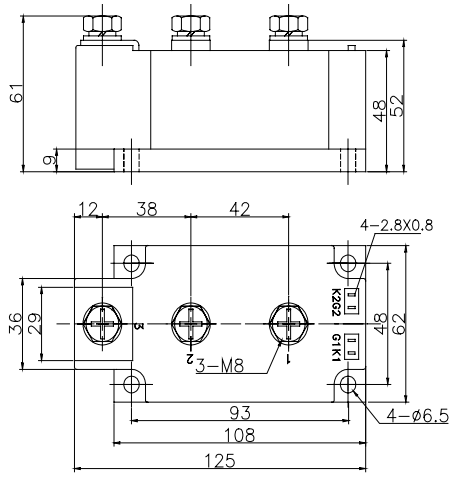
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	350A
V_{RRM}	600~1800V
I_{FSM}	15KA
I^2t	1150A^2 S*10^3

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			350	A
$I_{F\ (RMS)}$	RMS forward current		150			550	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			30	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			15.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1150	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.61	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1050A	25			1.50	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.110	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.04	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				4.5		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				1340		g

Outline:



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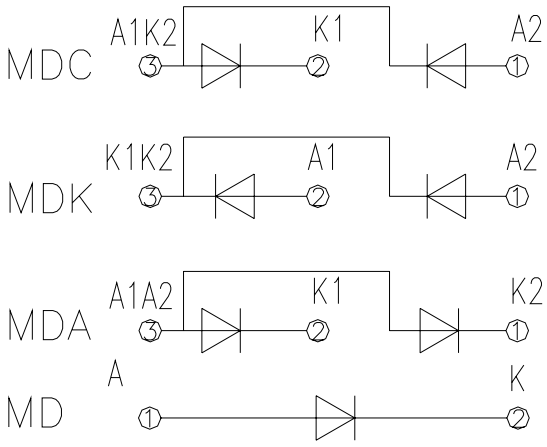


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

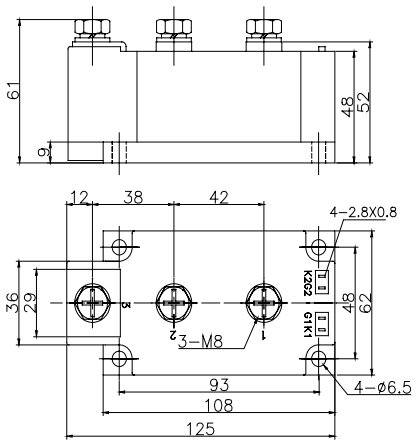
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **400A**
V_{RRM} **600~1800V**
I_{FSM} **17KA**
I^2t **1470A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			400	A
$I_{F\ (RMS)}$	RMS forward current		150			628	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			30	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			17.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1470	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.50	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1200A	25			1.48	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.100	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.04	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				4.5		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				1340		g

Outline:



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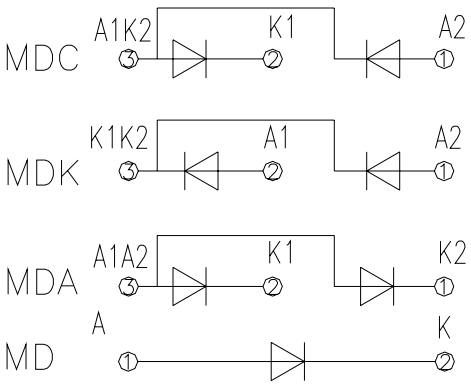


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

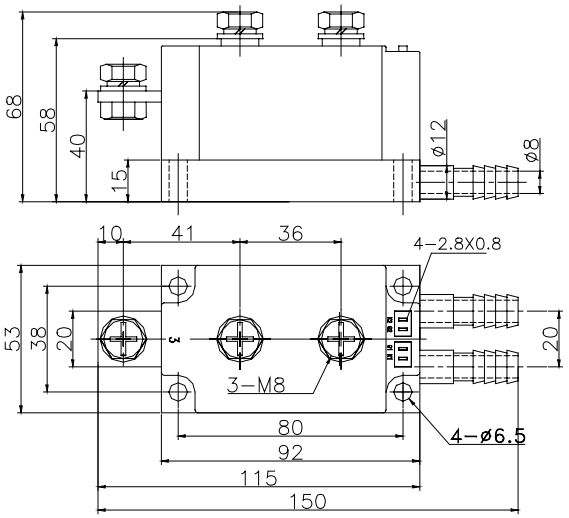
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	400A
V_{RRM}	600~1800V
I_{FSM}	10KA
I^2t	$510A^2 S*10^3$

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			400	A
$I_{F(RMS)}$	RMS forward current		150			628	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			30	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			10.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				510	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.64	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1200A	25			1.65	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.160	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				4.5		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				1300		g

Outline:



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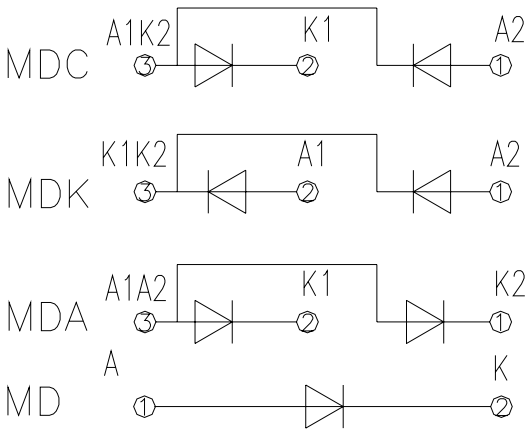


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

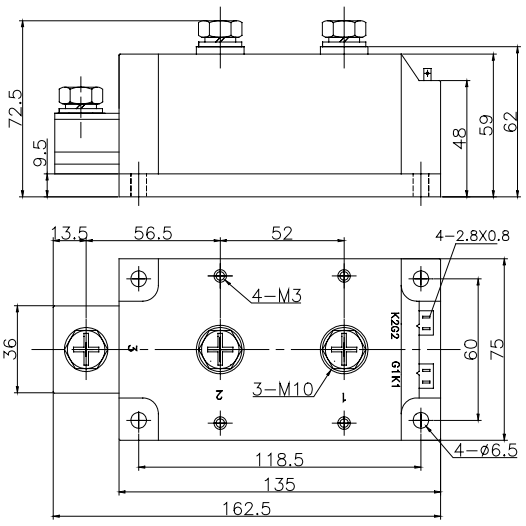
Typical Applications:

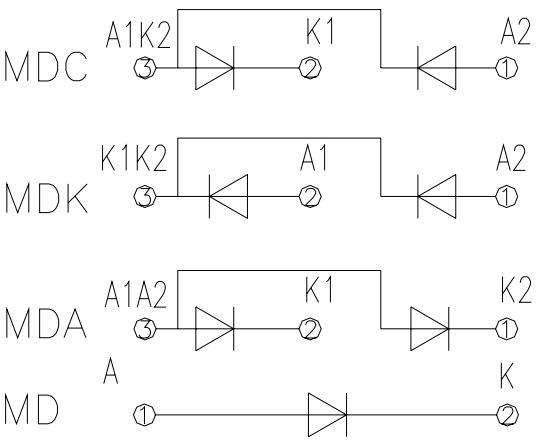
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **500A**
V_{RRM} **600~1800V**
I_{FSM} **21A×10³**
I^2t **2250A² S*10³**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, T_C=100°C	150			500	A
$I_{F(RMS)}$	RMS forward current		150			785	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			21.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				2250	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.32	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1500A	25			1.35	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.090	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine, Single side cooled				0.024	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				12		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				2300		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

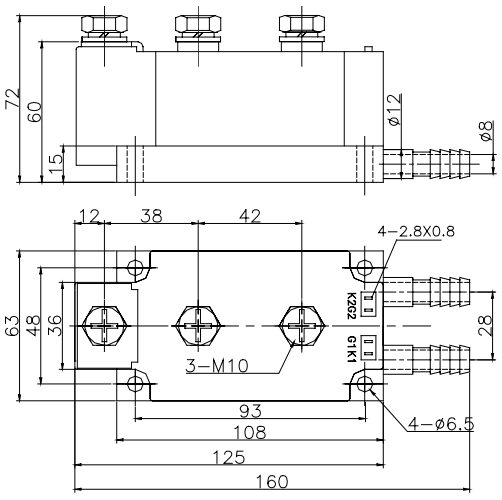
Typical Applications:

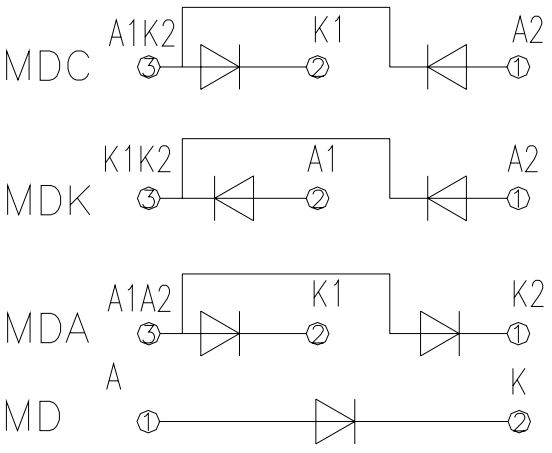
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	500A
V_{RRM}	600~1800V
I_{FSM}	12KA
I^2t	$734A^2 S*10^3$

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			500	A
$I_{F\ (RMS)}$	RMS forward current		150			785	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			12.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				734	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.51	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1500A	25			1.65	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.130	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				1820		g

Outline:





Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

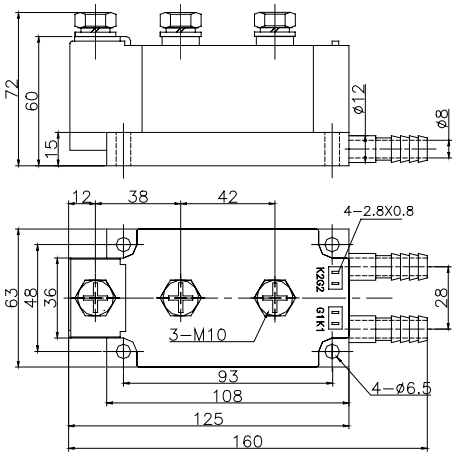
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	600A
V_{RRM}	600~1800V
I_{FSM}	15KA
I^2t	1150A^2 S*10^3

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			600	A
$I_{F\ (RMS)}$	RMS forward current		150			942	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			15.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1150	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.42	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1800A	25			1.65	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.110	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				1820		g

Outline:



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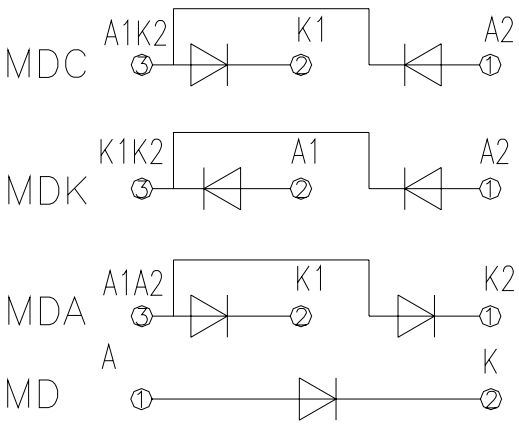


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

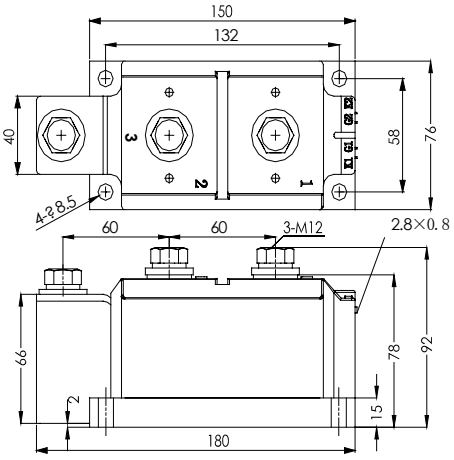
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$	800A
V_{RRM}	600~1800V
I_{FSM}	18KA
I^2t	1650A^2 S*10^3

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			800	A
$I_{F\ (RMS)}$	RMS forward current		150			1256	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			18.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1650	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.34	mΩ
V_{FM}	Peak forward voltage	I_{FM}=2400A	25			1.70	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.080	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				2600		g

Outline:



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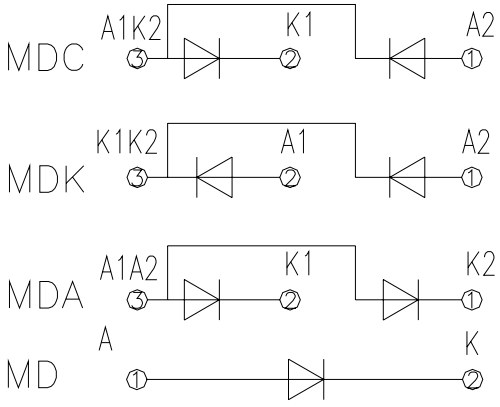


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

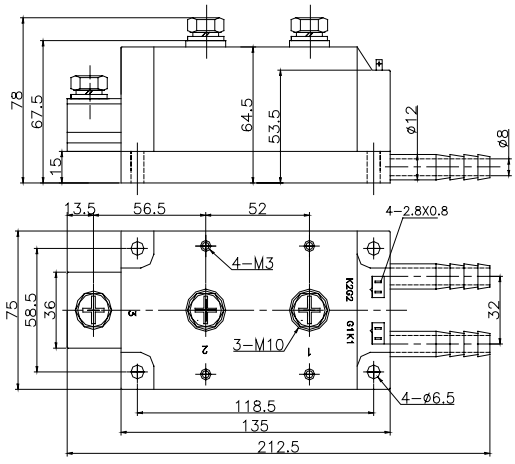
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **800A**
V_{RRM} **600~1800V**
I_{FSM} **18KA**
I^2t **1650A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			800	A
$I_{F\ (RMS)}$	RMS forward current		150			1256	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			18.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1650	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.34	mΩ
V_{FM}	Peak forward voltage	I_{FM}=2400A	25			1.70	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.080	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				2600		g

Outline:



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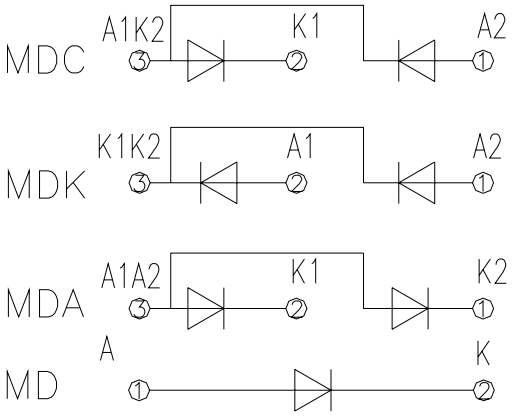

Features:

- Isolated mounting base 2500V~
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- Incrtased power cycling capability
- Space and weight savings

Typical Applications:

- AC/DC Motor drives
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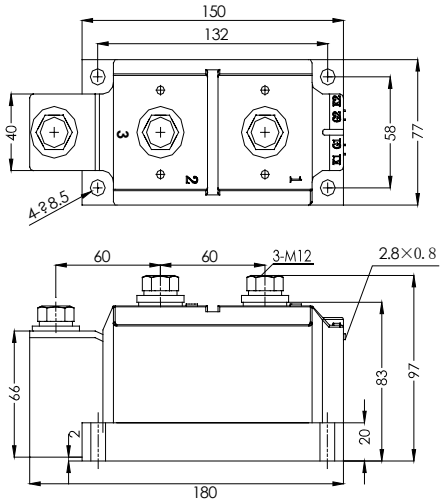
- DC supply for PWM inverter

$I_{F(AV)}$	1000A
V_{RRM}	600~1800V
I_{FSM}	18KA
I^2t	1650A^2 S*10^3

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			1000	A
$I_{F\ (RMS)}$	RMS forward current		150			1570	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			18.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1650	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.31	mΩ
V_{FM}	Peak forward voltage	I_{FM}=3000A	25			1.82	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.080	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				2600		g

Outline:



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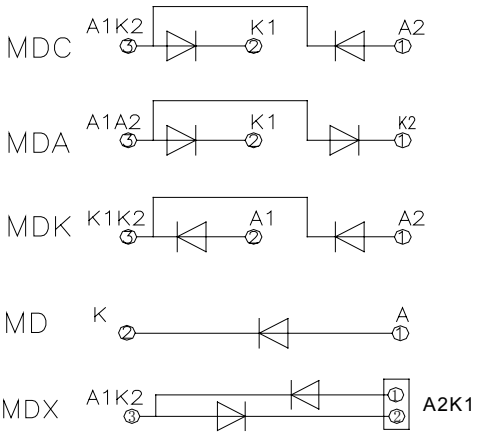


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

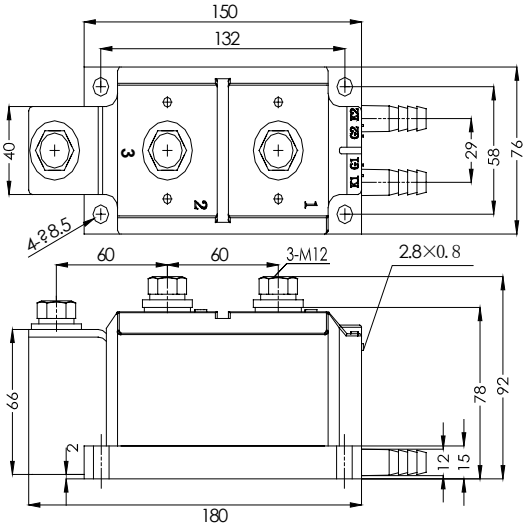
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **1000A**
V_{RRM} **600~1800V**
I_{FSM} **18KA**
I^2t **1650A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			1000	A
$I_{F\ (RMS)}$	RMS forward current		150			1570	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			18.0	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				1650	A^{2}s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.31	mΩ
V_{FM}	Peak forward voltage	I_{FM}=3000A	25			1.82	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.080	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				2600		g

Outline:



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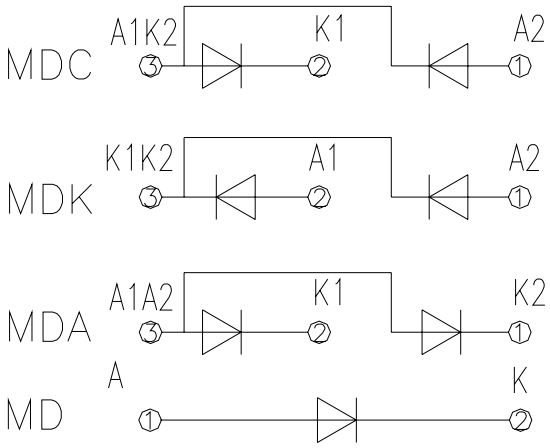


Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Incrtased power cycling capability
- Space and weight savings

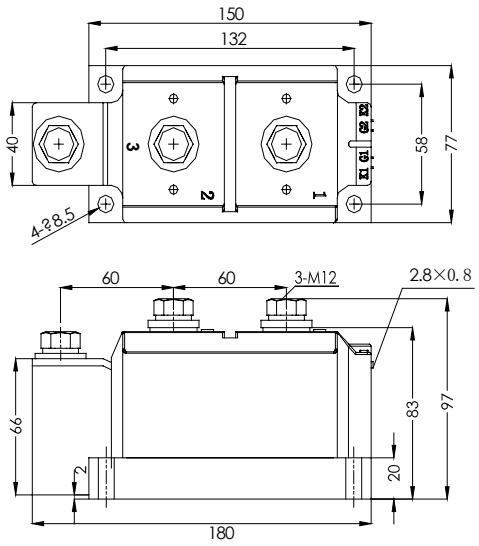
Typical Applications:

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{F(AV)}$ **1200A**
V_{RRM} **600~1800V**
I_{FSM} **20KA**
I^2t **2040A^2 S*10^3**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			1200	A
$I_{F\ (RMS)}$	RMS forward current		150			1884	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+200V	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			50	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			20	KA
I^2t	I^2T for fusing coordination	V_R=0.6V_{RRM}				2040	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
R_F	Forward slop resistance					0.25	mΩ
V_{FM}	Peak forward voltage	I_{FM}=3000A	25			1.86	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine, Single side cooled				0.080	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				2600		g

Outline:



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