



## **Three phase rectifier bridge module+ MDS100BP-16**

URL:<https://www.sxplc.com/three-phase-rectifier-bridge-module-mds100bp-16>

**Product data sheet**



## Three Phase Rectifier Bridge

**VRRM** 800 to 1800V

**ID** 100Amp

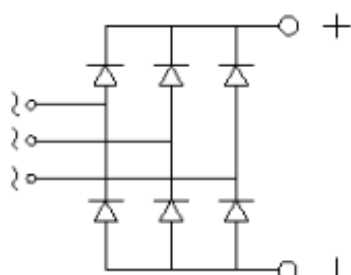
### Applications

Three phase rectifiers for power supplies

Rectifiers for DC motor field supplies

Battery charger rectifiers

Input rectifiers for variable frequency drives



### Features

Three phase bridge rectifier

Blocking voltage:800 to 1800V

### Module Type

TYPE	VRRM	VRSM
MDS100-08	800V	900V
MDS100-12	1200V	1300V
MDS100-16	1600V	1700V
MDS100-18	1800V	1900V

### Maximum Ratings

Symbol	Conditions	Values	Units
$I_D$	$T_c=100^\circ\text{C}$	100	A
IFSM	$T_{vj}=45^\circ\text{C}$ $t=10\text{ms}$ (50HZ), sine	920	A
$i^2t$	$T_{vj}=45^\circ\text{C}$ $t=10\text{ms}$ (50HZ), sine	4200	$\text{A}^2\text{S}$
Viso	a.c.50HZ;r.m.s.;1min	2500	V
$T_{vj}$		-40 to 150	$^\circ\text{C}$
$T_{stg}$		-40 to 125	$^\circ\text{C}$
Weight	Module (Approximately)	220	g

### Thermal Characteristics

Symbol	Conditions	Values	Units
$R_{th(j-c)}$	Per module	0.32	$^\circ\text{C}/\text{W}$

### Electrical Characteristics

Symbol	Conditions	Values	Units
V <sub>FM</sub>	$T=25^\circ\text{C}$ IFM=300A	1.90	V
IRD	$T_{vj}=25^\circ\text{C}$ VRD=VRRM	$\leq 0.5$	mA
	$T_{vj}=150^\circ\text{C}$ VRD=VRRM	$\leq 5$	mA

