Nihon Inter Electronics Corporation

SSR

120/240V 30A (RMS)

Non-Zero crossing Models

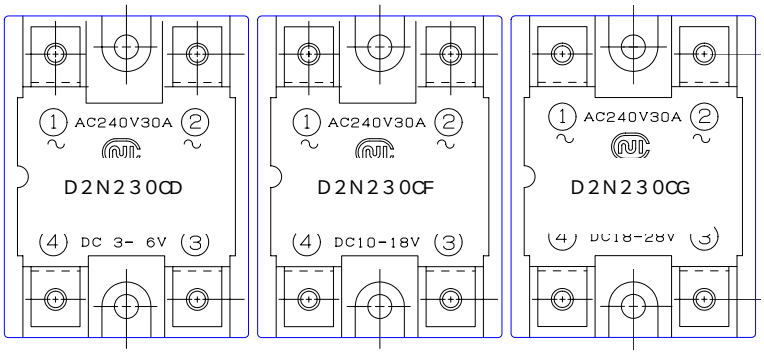
D2N130CD D2N230CD
D2N130CF D2N230CF
D2N130CG D2N230CG

Futures

* Large capacity(30Arms) in spite of the standard package.
* Low Noise Switching and Rush Current

Function

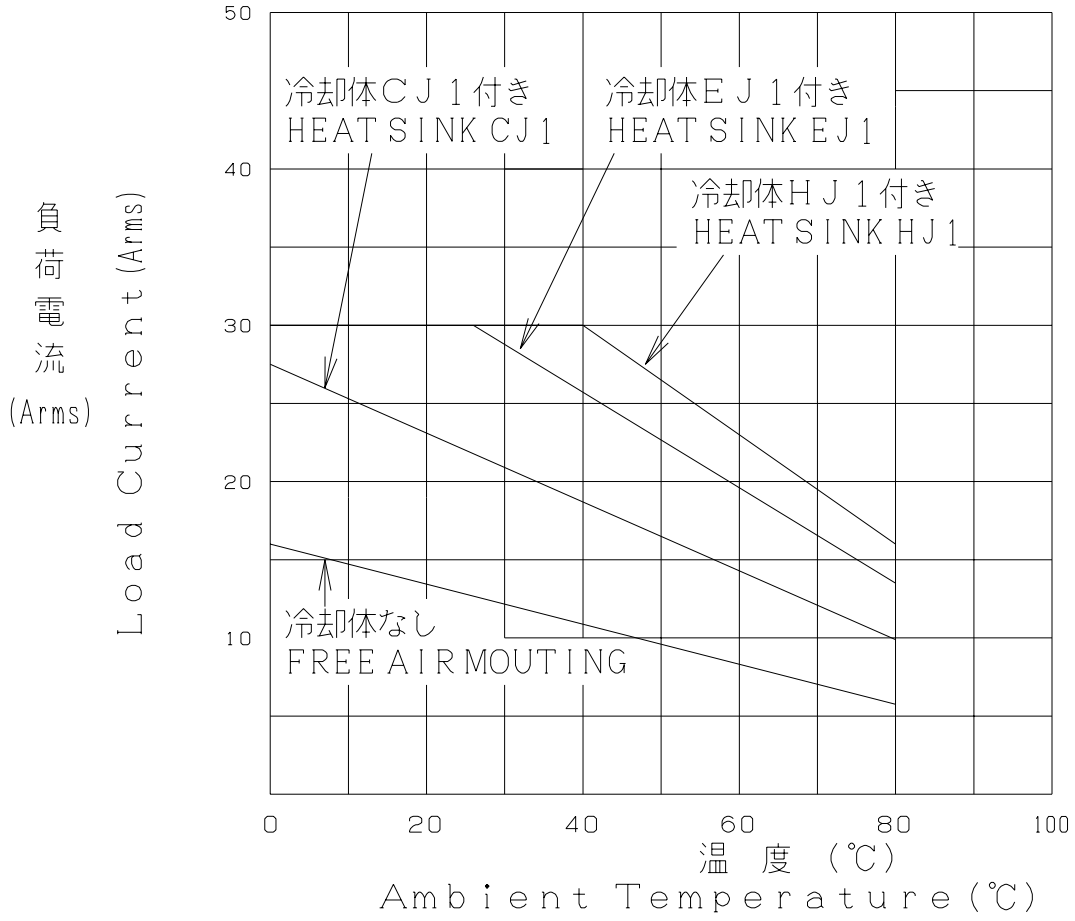
* Single Pole, Single Throw Normally Open



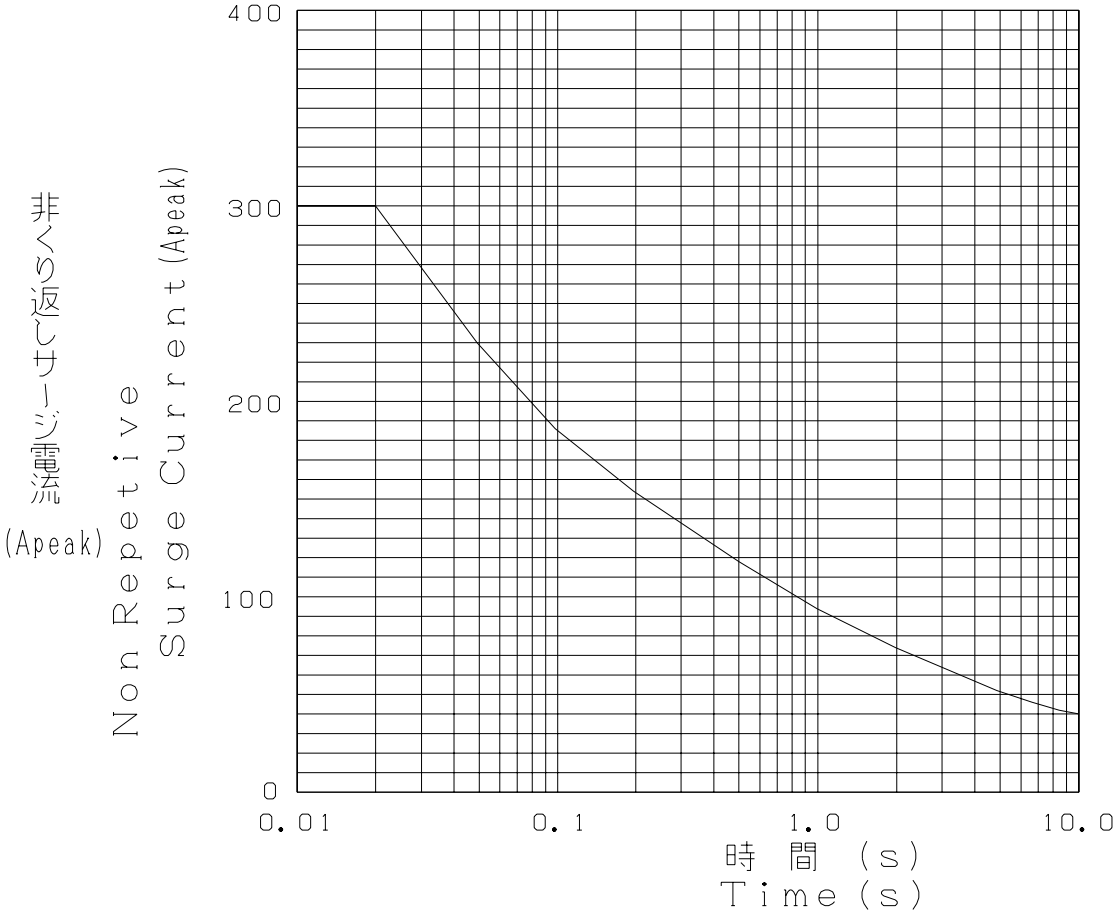
Characteristics and Ratings

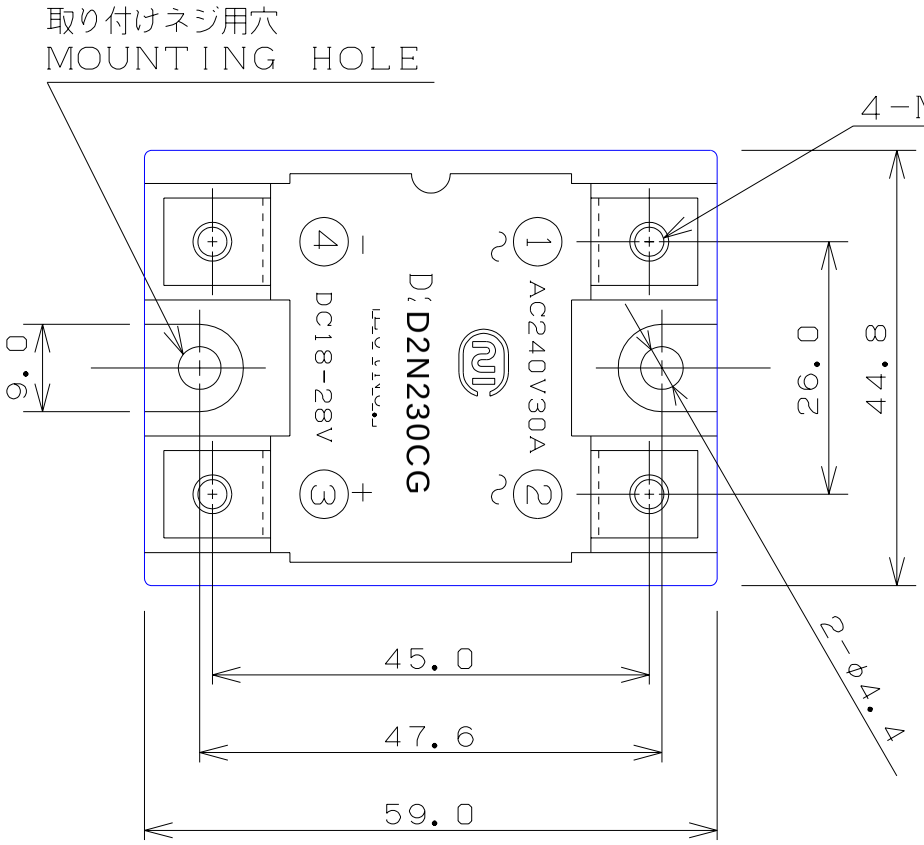
Parameter	Symbol	Characteristics / Ratings						Unit
		D2N130CD	D2N130CF	D2N130CG	D2N230CD	D2N230CF	D2N230CG	
Output								
Rated Voltage	$V_{(RMS)}$	120			240			V
A.C. Line Voltage Range	$V_{(RMS)}$	60 to 140			60 to 280			V
Operating Frequency	f	47 to 63						HZ
Maximum Load Current	$I_{T(RMS)}$	30						A
Non-repetitive One Cycle Surge Current	I_{TSM}	300						A
Minimum Operating Current	$I_{op(RMS)}$	120						mA
Maximum off-state Leakage Current	$I_{leak(RMS)}$	2.0 (@120Vrms)			4.0 (240Vrms)			mA
Maximum on-sate Voltage Drop	$V_{T(RMS)}$	1.6						V
Response Time	$T_{(rps)}$	1/2 Cycle + 1mS						-
Input								
Control Signal Voltage Range	$I_{IN(DC)}$	3 to 6	10 to 18	18 to 28	3 to 6	10 to 18	18 to 28	V
Input Impedance	$R_{(IN)}$	260	860	1360	260	860	1360	ohm
Pick-up Voltage	PUV	3.0	10.0	18.0	3.0	10.0	18.0	V
Drop-out Voltage	DOV	1.0						V
Input/Output								
AC Isolation Voltage (Between Input , Output Terminals and Base)	$V_{iso(RMS)}$	1500						V
Capacitance (Between input and output	$C_{(i-o)}$	100						pF
Operating Temperature Range	T_{op}	-20 to +80						℃
Storage Temperature Range	T_{stg}	-25 to +85						℃

負荷低減曲線
Use of Thermal Curves

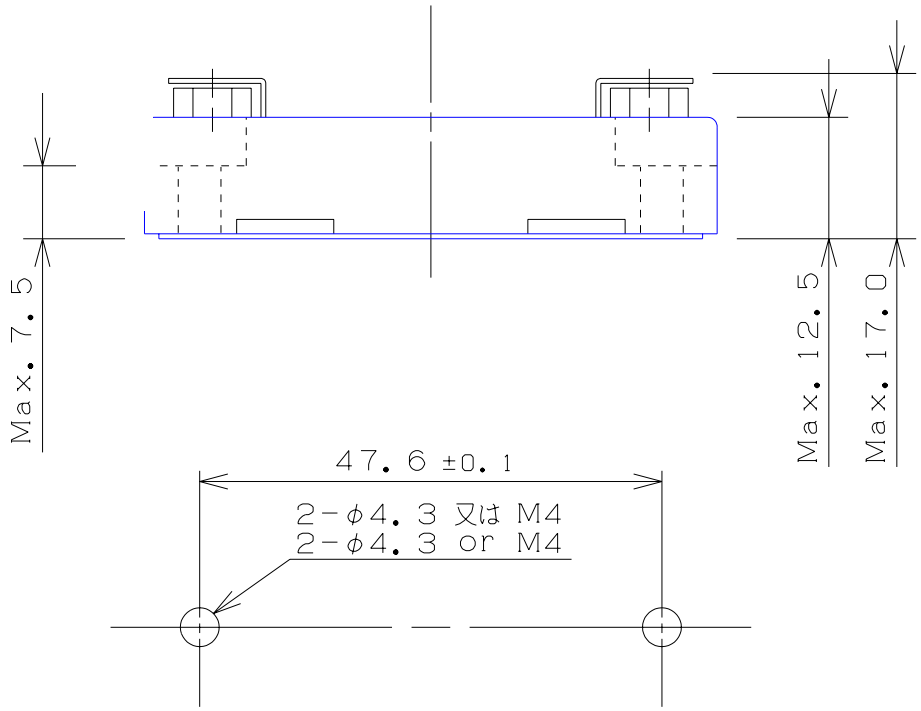


サージ電流耐量曲線
Surge Current vs Duration





① 出力 ：AC
OUTPUT：AC
② 出力 ：AC
OUTPUT：AC
③ 入力 ：DC+
INPUT ：DC+
④ 入力 ：DC−
INPUT ：DC−



取り付け穴加工図
MOUNTING DIMENSION

電極端子ネジ M4×8 4pcs／1袋 添付
Attaced. TERMINAL SCREW M4×8；4pcs／1PACKAGE

指定なき寸法公差は、±0.5とする
TOLERANCESS （UNLESS, OTHERWISE. NOTE）：±0.5