

SKS 1910N B6U 1280 V16 ZU



Diode Presspack stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_D	Maximum DC current	$T_{AMBIENT} = 35^{\circ}C$; No overload		1 910		A
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
V_{BUS}	DC Bus voltage			670		V_{DC}
P_{TOTAL}	Maximum stack power			1 280		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT} = 35^{\circ}C$)					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			12092602.00		-
Weight	Approximate total weight			118.2		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution degree	EN 50178			2		-

SEMISTACK® CLASSICS - B6U

Three phase uncontrolled rectifier

Preliminary Data

Ordering No. 08785107
Description SKS 1910N B6U 1280 V16 ZU

Features

- Non-isolated power stacks
- SKN 2000/16
- Heatsink U3/515
- Natural cooling
- RC circuit included
- Fuses with microswitches

Typical Applications

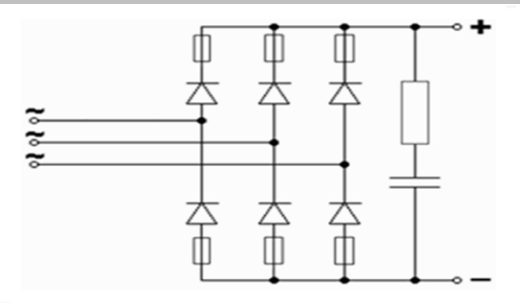
- Power supplies
- Rectifier for AC/DC motor control

Remarks

This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee, expressed or implied, is made regarding delivery, performance or suitability.

Stack Protection						
Symbol	Conditions		min	typ	max	Unit
RC Circuit						
Type	RC in parallel with bridge rectifier			-		-
R	Resistance (80W)			33		Ohm
C				0.47		μF

Fuses						
Symbol	Conditions		min	typ	max	Unit
Size	1 fuse per switch, with microswitches			33		-
$I_{N,RMS}$	Caliber			1 400		A
U_N	Nominal voltage (IEC)			690		V
I^2t	Total at U_N at room temperature (approx. 20...25°C)			2 625		kA^2s



B6U

