

Thyristor Presspack stack

Electrical Characteristics						
Symbol	Conditions		min	typ	max	Unit
Electrical Data						
I_{OUT}	Maximum output current	$T_{AMBIENT} = 45^{\circ}C$; No overload		545		A_{RMS}
V_{AC}	Maximum AC voltage (+/-10%)			500		V_{AC}
P_{TOTAL}	Maximum stack power			470		kW
P_{LOSS}	Stack power loss ($T_{AMBIENT} = 45^{\circ}C$)					W

Environmental Data						
Symbol	Conditions		min	typ	max	Unit
Mechanical Data						
Drawing	SEMIKRON document number.revision.version			12051402.00.A		-
Weight	Approximate total weight			47.2		kg
Altitude	Installation altitude without derating				1 000	m
Protection	IEC 60529			IP00		-
Pollution Degree	EN 50178			2		-

SEMISTACK® CLASSICS - W3C

Three phase reverse parallel thyristor converter

Preliminary Data

Ordering No. 08785212
Description SKS 545N W3C 470 V16

Features

- Non-isolated power stacks
- SKT 760/16
- Heatsink P11/415
- Natural cooling
- RC circuit included

Typical Applications

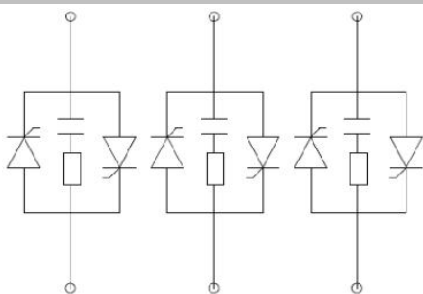
- Soft starters

Remarks

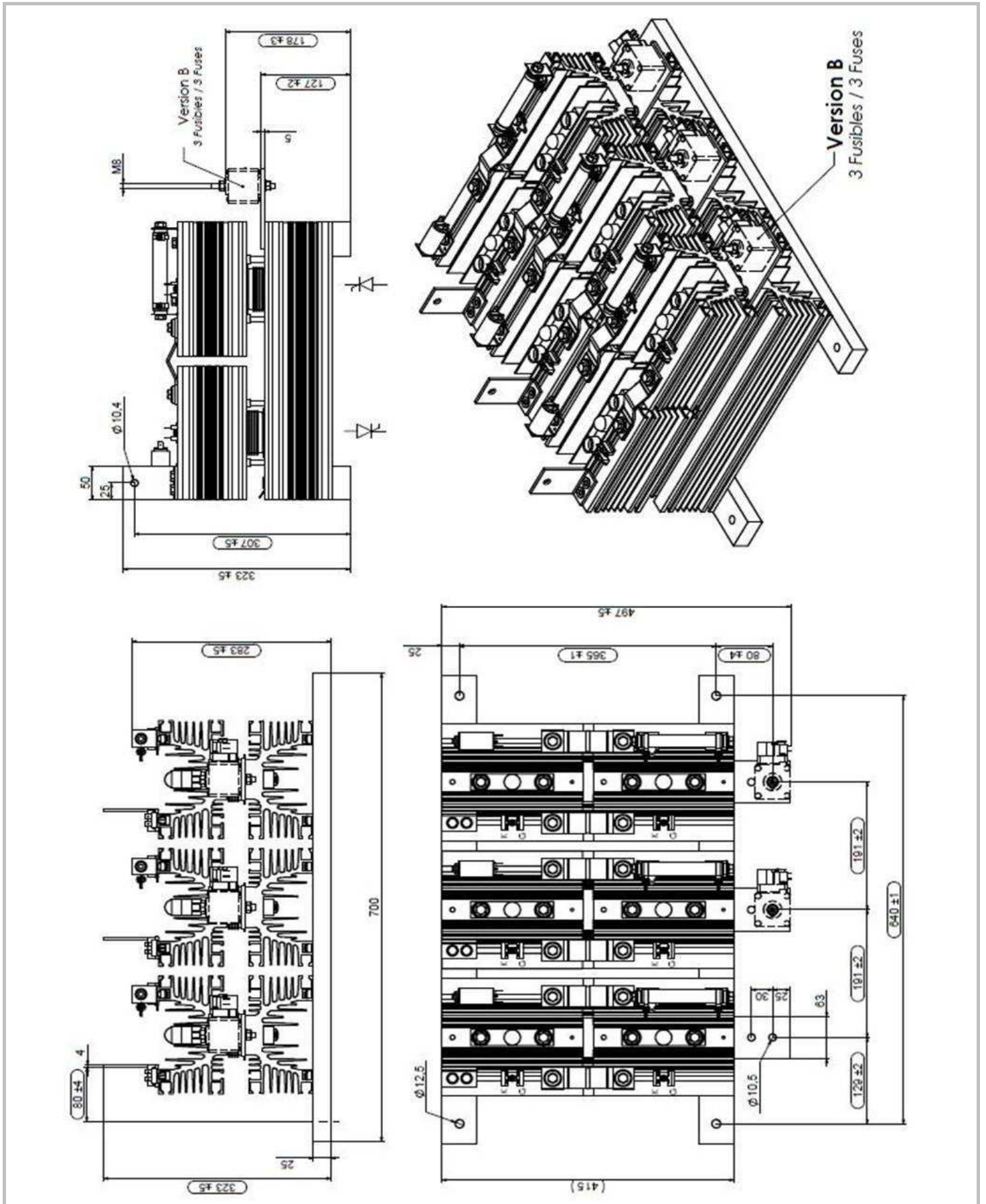
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Stack Protection

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



W3C



Dimensions

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