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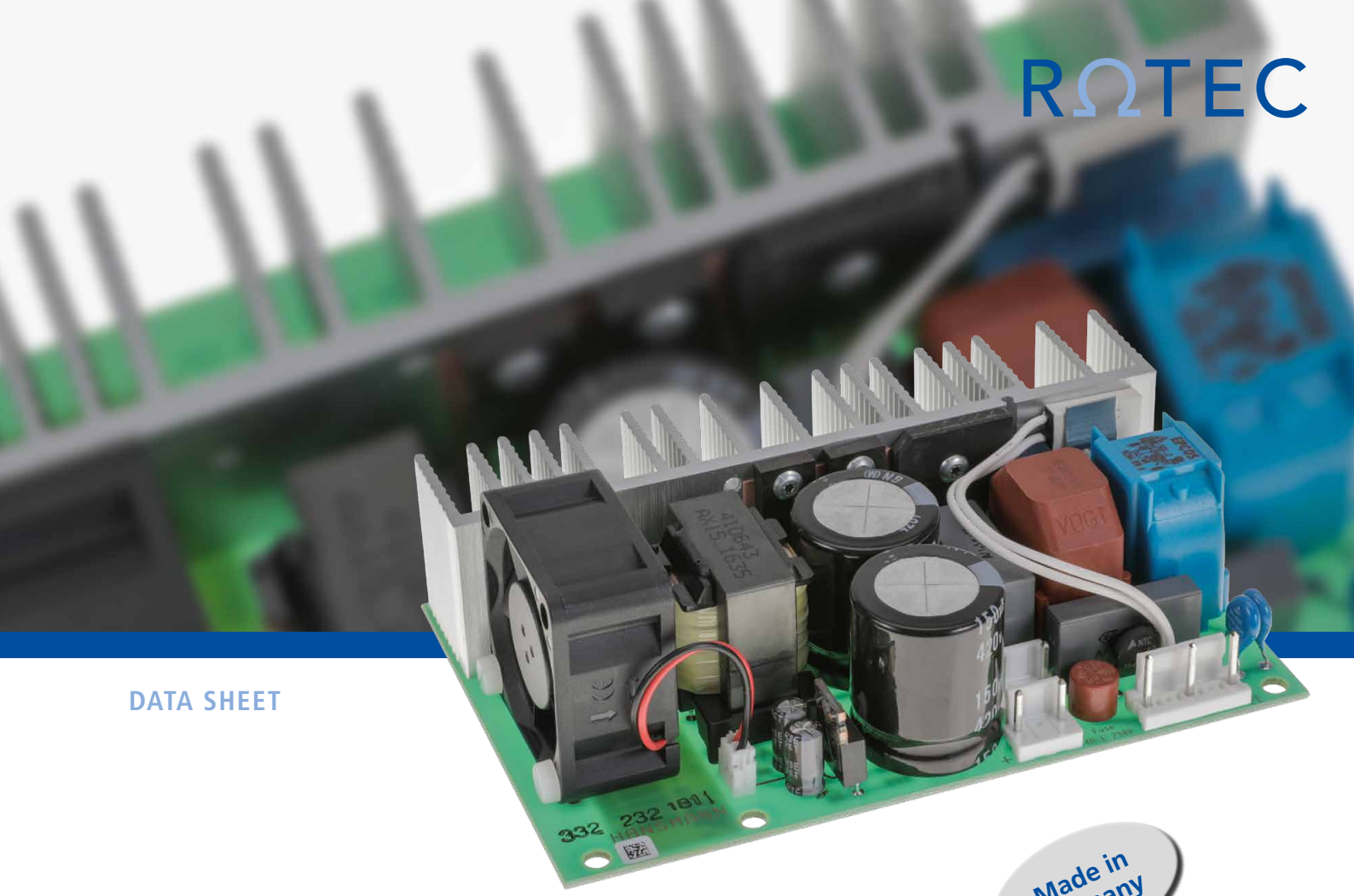

DATA SHEET

Made in Germany

SFC 300

Front-end Powerfactor Module

Features

- Input voltage range from 85V AC to 264V AC, power factor corrected
- line input, built-in EMI-filter: meets CE and FCC part “A”
- Thermal shut off at 90°C
- Output voltage 385V +/-10V DC
- auxiliary 24V/ 100mA output at 1 terminal for fan drive, only available when load is applied.
- certified in accordance with UL60950-1, CSA C22.2 No. 60950-1-03,
- CB IEC 60950-1

Please read this information carefully, before installing and operating the power supply!

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SFC 300

ELECTRICAL DATA · All values are valid at 25 ± 5°C, unless otherwise noted

INPUT DATA					
Nominal Operation	**Symbol**	**Unit**	**Nominal**	**Tolerances**	**Remarks**
Input voltage AC Line	U	V AC	100 - 240	85 - 264	
Input voltage DC-Line	U	V DC	100 - 300	90 - 340	
System wattage	P_{LI}	W	200	100 - 330	Depends on load
Input current	I_{LI}	A		1 - 4	Depends on load and input voltage
Line frequency	f_{in}	Hz	50 / 60	47 - 63	
Power factor	PFC	1	1.0		> 0.93
Other Operation Data					
System wattage standbyoperation	P_{LIStby}	W	1	0.5 - 2.0	

LIFETIME DATA · All values for Uu = 230_{Vmr}, Temperature at test point = 65°C					
Ignition	**Symbol**	**Unit**	**Nominal**	**Tolerances**	**Remarks**
Life time	t_{Life}	h	32.000	> 25.000	Acc. To MIL HDBK for nominal operation

MISCELLANEOUS DATA					
Nominal Operation	**Symbol**	**Unit**	**Nominal**	**Tolerances**	**Remarks**
Power losses at **115 V** Power losses at **230 V**	P_V	W	26 19	± 2W	At Pout 300 W
Efficiency	η	1	0.93	0.9 - 0.95	Excl. power pins
Ambient temperature	T_A	°C	+ 25	+10 - +50	
Maximum temperature at test point	T_c	°C	+ 85		Heatsink surface, Caution: Heatsink is connected to mains
Switch off temperature	$T_{c\text{-}off}$	°C	+90	+ 85 - + 95	No derating till switch off
Standby Mode					
Minimum mains reset-time	T_{reset}	ms			Not installed

GEOMETRY AND WEIGHT					
	Symbol	**Unit**	**Nominal**	**Tolerances**	**Remarks**
Length	L	mm	132	± 0.2	
Width	W	mm	84.0	± 0.3	
Height	H	mm	30.0 / 32.0		
Weight	W_B	g	350	± 5	

For detailed information please contact **ralf@rotec-gmbh.com** or **info@rotec-gmbh.com**

Technical modifications and errors excepted.

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