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AC-DC Rectifier
(Active Front End Technology)

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Data	Unit	Value
Device information		Three phase IGBT Based AFE power module
Nominal input voltage	[Vrms]	3 x 400 Vac ± 5%
Nominal input current - In	[Arms]	1000
Nominal line frequency	[Hz]	50/60 Hz ± 1%
Nominal dc-bus voltage	[V]	300 -1000 V
Maximum DC power @ In	[kW]	600 @ 400Vac
Efficiency @ In	[%]	97.8
Waterpower losses at Pmaxdc	[kW]	14.5
Air power losses	[kW]	< 1
Tmax water	[°C]	40
Tmax air	[°C]	40
Installation altitude	[masl]	≤ 2000
Pollution degree (acc to IEC 61800-5-1)		2
Water flow	[L/min]	> 25
Water connection		By mean of quick coupling ½''
Dimension [H x W x D]	[mm]	1361 x 653 x 243
Heatsink material		AL
Installation type		Wall mounted
DC-AC connection		Bare Bars
Auxiliary Supply		24Vdc
Main MCU connection		By fiber optic couple
Weight	[kg]	Approx. 100
Internal precharge		No
Standards		IEC 61800-5-1, IEC 61800-3

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