

10.6 Technical data, PM240-2 Power Module

Protective devices for the Power Module

The fuses listed in the following tables are examples of suitable fuses.

Additional components for branch protection are available in the Internet:

 Branch protection and short-circuit strength according to UL and IEC (<https://support.industry.siemens.com/cs/ww/en/view/109486009>)

Typical inverter load cycles

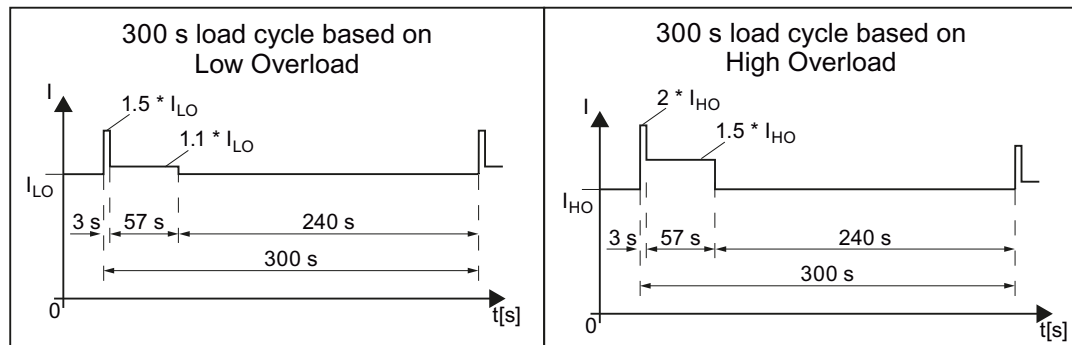


Figure 10-5 "Low Overload" and "High Overload" load cycles

10.6.1 Ambient conditions

Property	Version
Ambient conditions for transport in the transport packaging	
Climatic ambient conditions	- 40 °C ... + 70 °C, according to Class 2K4 to EN 60721-3-2 maximum humidity 95% at 40 °C
Mechanical ambient conditions	Shock and vibration permissible according to 1M2 to EN 60721-3-2
Protection against chemical substances	Protected according to Class 2C2 to EN 60721-3-2
Biological ambient conditions	Suitable according to Class 2B1 to EN 60721-3-2
Ambient conditions for long-term storage in the product packaging	
Climatic ambient conditions	- 25 °C ... + 55 °C, according to Class 1K3 to EN 60721-3-1
Protection against chemical substances	Protected according to Class 1C2 to EN 60721-3-1
Biological ambient conditions	Suitable according to class 1B1 to EN 60721-3-1
Ambient conditions in operation	

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Table 10-54 PM240-2, PT, frame size B, 380 V ... 480 V 3 AC

Article No. without filter	6SL3211-1PE21-8UL0
Article No. with filter	6SL3211-1PE21-8AL0
LO base load power	7.5 kW
LO base load input current	22.2 A
LO base load output current	18.0 A
HO base load power	5.5 kW
HO base load input current	19.8 A
HO base load output current	13.7 A
Fuse according to IEC	3NA3812 (32 A)
Fuse according to UL, class J	35 A
Power loss	0.2 kW ¹⁾
Required cooling air flow	9.2 l/s
Weight without filter	3.6 kg
Weight with filter	3.9 kg

1) approx. 0.16 kW through the heatsink

Table 10-55 PM240-2, IP20, frame size C, 380 V ... 480 V 3 AC

Article No. without filter	6SL3210-1PE22-7UL0	6SL3210-1PE23-3UL0
Article No. with filter	6SL3210-1PE22-7AL0	6SL3210-1PE23-3AL0
LO base load power	11.0 kW	15.0 kW
LO base load input current	32.6 A	39.9 A
LO base load output current	26.0 A	32.0 A
HO base load power	7.5 kW	11.0 kW
HO base load input current	27.0 A	36.0 A
HO base load output current	18.0 A	26.0 A
Fuse according to IEC	3NA3820 (50 A)	3NA3820 (50 A)
Fuse according to UL, class J	50 A	50 A
Power loss	0.3 kW	0.37 kW
Required cooling air flow	18.5 l/s	18.5 l/s
Weight without filter	4.7 kg	4.8 kg
Weight with filter	5.3 kg	5.4 kg