

## 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

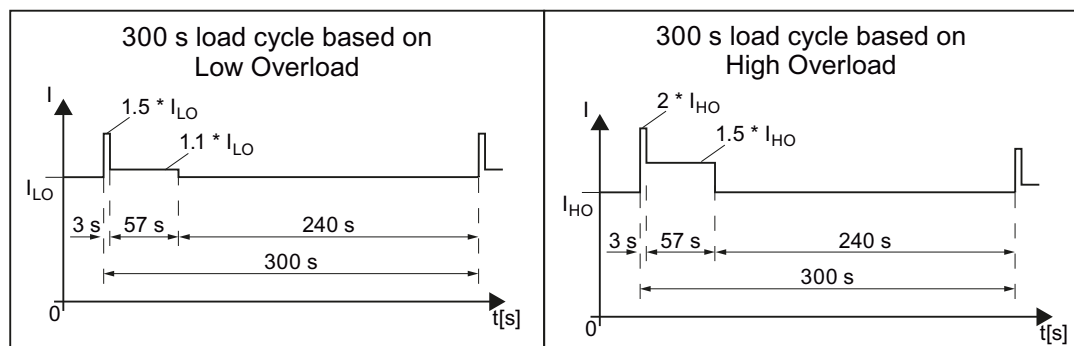


Figure 10-5 "Low Overload" and "High Overload" load cycles

### 10.6.1 Ambient conditions

Property	Version
<b>Ambient conditions for transport in the transport packaging</b>	
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
<b>Ambient conditions for long-term storage in the product packaging</b>	
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
<b>Ambient conditions in operation</b>	

### 10.6.6 Specific technical data, 400 V inverters

Table 10-50 PM240-2, IP20, frame size A, 380 V ... 480 V 3 AC

Article No. without filter	6SL3210-1PE11-8UL1	6SL3210-1PE12-3UL1	6SL3210-1PE13-2UL1
Article No. with filter	6SL3210-1PE11-8AL1	6SL3210-1PE12-3AL1	6SL3210-1PE13-2AL1
LO base load power	0.55 kW	0.75 kW	1.1 kW
LO base load input current	2.3 A	2.9 A	4.1 A
LO base load output current	1.7 A	2.2 A	3.1 A
HO base load power	0.37 kW	0.55 kW	0.75 kW
HO base load input current	2.0 A	2.6 A	3.3 A
HO base load output current	1.3 A	1.7 A	2.2 A
Fuse according to IEC	3NA3805 (16 A)	3NA3805 (16 A)	3NA3805 (16 A)
Fuse according to UL, class J	10 A	10 A	15 A
Power loss	0.04 kW	0.04 kW	0.04 kW
Required cooling air flow	5 l/s	5 l/s	5 l/s
Weight without filter	1.3 kg	1.3 kg	1.3 kg
Weight with filter	1.5 kg	1.5 kg	1.5 kg

Table 10-51 PM240-2, IP20, frame size A, 380 V ... 480 V 3 AC

Article No. without filter	6SL3210-1PE14-3UL1	6SL3210-1PE16-1UL1	6SL3210-1PE18-0UL1
Article No. with filter	6SL3210-1PE14-3AL1	6SL3210-1PE16-1AL1	6SL3210-1PE18-0AL1
LO base load power	1.5 kW	2.2 kW	3.0 kW
LO base load input current	5.5 A	7.7 A	10.1 A
LO base load output current	4.1 A	5.9 A	7.7 A
HO base load power	1.1 kW	1.5 kW	2.2 kW
HO base load input current	4.7 A	6.1 A	8.8 A
HO base load output current	3.1 A	4.1 A	5.9 A
Fuse according to IEC	3NA3805 (16 A)	3NA3805 (16 A)	3NA3805 (16 A)
Fuse according to UL, class J	20 A	30 A	30 A
Power loss	0.07 kW	0.1 kW	0.12 kW
Required cooling air flow	5 l/s	5 l/s	5 l/s
Weight without filter	1.4 kg	1.4 kg	1.4 kg
Weight with filter	1.6 kg	1.6 kg	1.6 kg