

# 8B0M0040HF00.000-1

## 1 General information

- Pioneering power distribution system
- Integrated distribution of power and auxiliary power supply
- Shockproof
- Option slots possible

## 2 Order data


Model number	Short description	Figure
	<b>Feed-through mounting</b>	
8B0M0040HF00.000-1	ACOPOSmulti mounting plate with backplane, 4 slots, HV, feed-through mounting, 75 mm² and 22 mm², complete	
	<b>Required accessories</b>	
	<b>Fan modules</b>	
8B0M0040HFF0.000-1	ACOPOSmulti fan module for mounting plate 8B0MxxxxHF00.xxx-x and 8EMFxxxx000.0000-1	
	<b>Optional accessories</b>	
	<b>I/O supply cable</b>	
X67CA0P00.0002	Power connection cable, 0.2 m	
X67CA0P20.0010	Power attachment cable, 1.0 m	
X67CA0P20.0020	Power attachment cable, 2.0 m	
X67CA0P20.0050	Power attachment cable, 5 m	
X67CA0P20.0150	Power attachment cable, 15 m	
X67CA0P20.0500	Power attachment cable, 50 m	

Table 1: 8B0M0040HF00.000-1 - Order data

Model number	Number of slots	Number of fan modules
8B0M0040HF00.000-1	4	1

Table 2: Number of required 8B0M0040HFF0.000-1 fan modules per mounting plate 8B0M

### Information:

**ACOPOSmulti 8B0MxxxxHF00.xxx-x mounting plates can only be used together with 8B0M0040HF-F0.000-1 fan modules!**

**For optimal availability of the ACOPOSmulti drive system, the 8B0M0040HFF0.000-1 fan modules must be switched on at all times.**

### 3 Technical data

Model number	8B0M0040HF00.000-1
General information	
Number of slots	4
Cooling and mounting type	Feed-through mounting
Certifications	
CE	Yes
UL	cULus E225616 Power conversion equipment
DC bus connection	
Voltage	
Nominal	750 VDC
Continuous power <sup>1)</sup>	200 kW
Reduction of continuous power depending on installation elevation	
Starting at 500 m above sea level	20 kW per 1000 m
Cross section	
DC+, DC-	72 mm <sup>2</sup>
PE	72 mm <sup>2</sup>
24 VDC auxiliary supply	
Voltage	25 VDC ±1.6%
Continuous power <sup>1)</sup>	1500 W
Max. power consumption per slot (P <sub>Fan8B0M...</sub> )	8.25 W <sup>2)</sup>
Reduction of continuous power depending on installation elevation	
Starting at 500 m above sea level	150 W per 1000 m
Cross section	
24 VDC, COM	21.3 mm <sup>2</sup>
Operating conditions	
Permissible mounting orientations	
Hanging vertically	Yes
Horizontal, face up	Yes
Standing horizontally	No
Installation elevation above sea level	
Nominal	0 to 500 m
Maximum <sup>3)</sup>	4000 m
Pollution degree per EN 61800-5-1	2 (non-conductive pollution)
Overvoltage category per EN 61800-5-1	III
Degree of protection per EN 60529	IP64 Fan module: IP54 (8B0M0040HFF0.000-1)
Ambient conditions	
Temperature	
Operation	
Nominal	5 to 40°C
Maximum <sup>4)</sup>	55°C
Storage	-25 to 55°C
Transport	-25 to 70°C
Relative humidity	
Operation	5 to 85%
Storage	5 to 95%
Transport	Max. 95% at 40°C
Mechanical properties	
Dimensions <sup>5)</sup>	
Width	278 mm
Height	378 mm
Depth	14 mm
Weight	6.4 kg

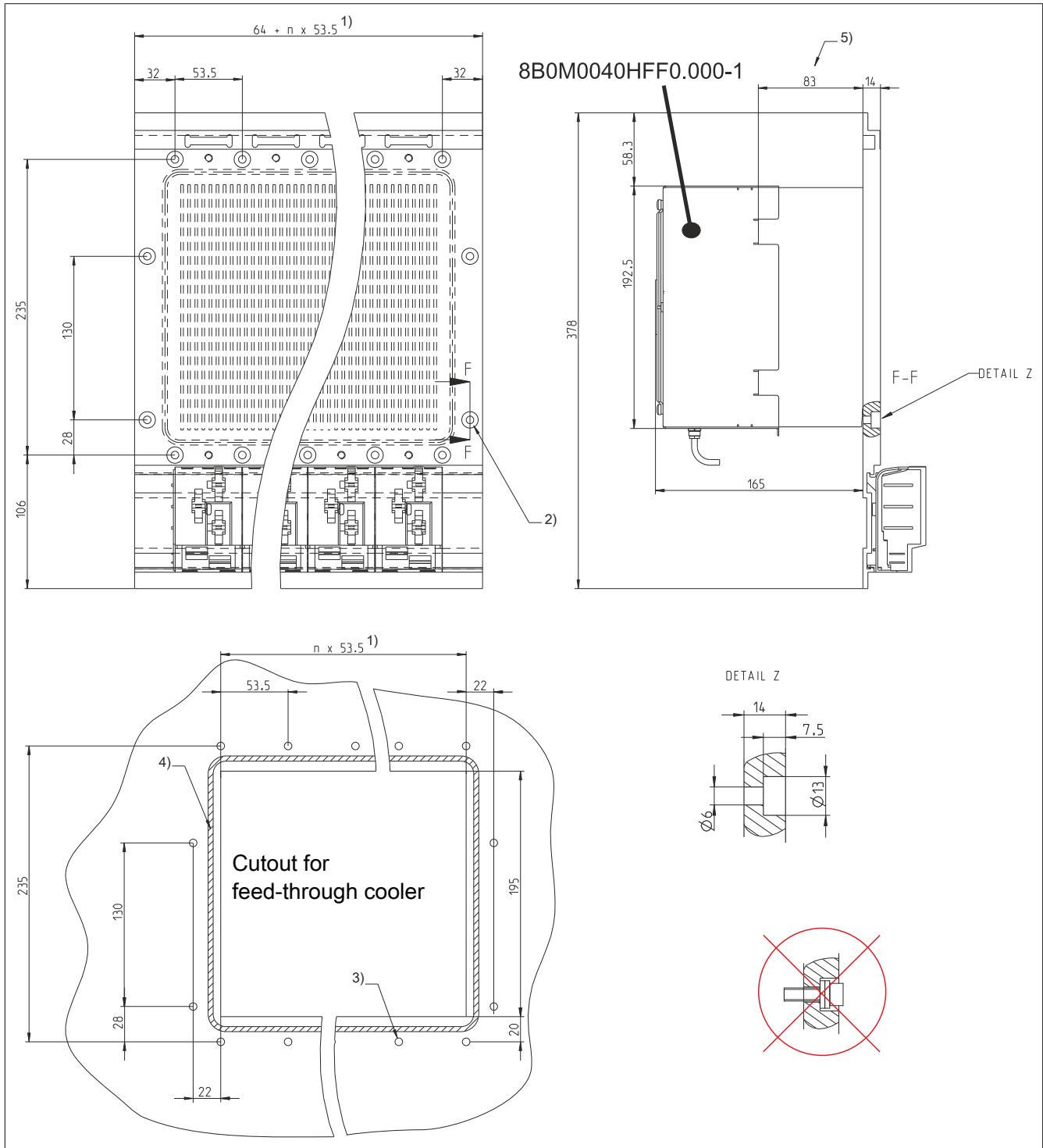
Table 3: 8B0M0040HF00.000-1 - Technical data

- Valid for the following conditions: 40°C ambient temperature, installation elevation <500 m above sea level.
- Corresponds to the proportionate power consumption of the 8B0M0040HFF0.000-1 fan module.
- Continuous operation of ACOPOSmulti mounting plates at an installation elevation of 500 m to 4000 m above sea level is possible taking the specified reduction in continuous power into account. Requirements that go beyond this must be arranged with B&R.
- Continuous operation of ACOPOSmulti mounting plates at ambient temperatures ranging from 40°C to max. 55°C is possible (taking the specified continuous power reductions into consideration).
- The dimensions define the size of the mounting plate. Make sure to leave additional space above and below the backplanes for mounting, connections and air circulation.

## 4 Dimension diagram and installation dimensions

### Information:

nnnn indicates the number of slots (0160 equals 16 slots).



- 1) n... Number of width units on the mounting plate
- 2) 6 + 2x n mounting holes  $\varnothing$  6 mm  
The heads of the fastening screws are not permitted to exceed a height of 6 mm.
- 3) All drill holes 6 mm
- 4) Sealing surface
- 5) Fin depth of the feed-through heat sink without mounted fan 8B0M0040HFF0.000-1

**Note:**

When securing mounting plate 8B0MnnnnHF00.000-1, make sure that the screws are mounted on the backplane side such that they comply with IP65 protection requirements per EN 60529.

**Information:**

The fastening elements of the feed-through heat sink are not permitted to extend beyond the installation surface! This would prevent the ACOPOSmulti modules from being mounted to the feed-through cooler.