

8B0M0120HF00.000-1

1 General information

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

2 Order data

Order number	Short description	Figure
	Feed-through mounting	
8B0M0120HF00.000-1	ACOPOSmulti mounting plate with backplane, 12 slots, AS, pass-through mounting, 75 mm² and 22 mm², complete	
	Required accessories	
	Fan modules	
8B0M0040HFF0.000-1	ACOPOSmulti fan module for mounting plate 8B0MxxxxH-F00.xxx-x and 8EMFxxxx000.0000-1	
	Optional accessories	
	I/O supply cable	
X67CA0P00.0002	Power connection cable, 4-pin, straight, 0.25 m	
X67CA0P20.0010	Power attachment cable, 4-pin, straight, 1.0 m	
X67CA0P20.0020	Power attachment cable, 2.0 m	
X67CA0P20.0050	Power attachment cable, 4-pin, straight, 5 m	

Table 1: 8B0M0120HF00.000-1 - Order data

Model number	Number of slots	Number of fan modules
8B0M0120HF00.000-1	12	3

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 continuously.

3 Technical data

Order number	8B0M0120HF00.000-1
General information	
Number of slots	12
Cooling and mounting type	Pass-through mounting
Certifications	
CE	Yes
UKCA	Yes
UL	cULus E225616
	Power conversion equipment
DC bus connection	
Voltage	
Nominal	750 VDC
Continuous power ¹⁾	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 ²
PE	72 mm ²
24 VDC auxiliary supply	
Voltage	25 VDC ±1.6%
Continuous power ¹⁾	1500 W
Max. power consumption per slot (P _{Fan8B0M...})	8.25 W ²⁾
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 ²
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 ³⁾	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 ⁴⁾	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 ⁵⁾	
Width	706 mm
Height	378 mm
Depth	14 mm
Weight	19.2 kg

Table 3: 8B0M0120HF00.000-1 - Technical data

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

4 Dimension diagram and installation dimensions

Information:

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

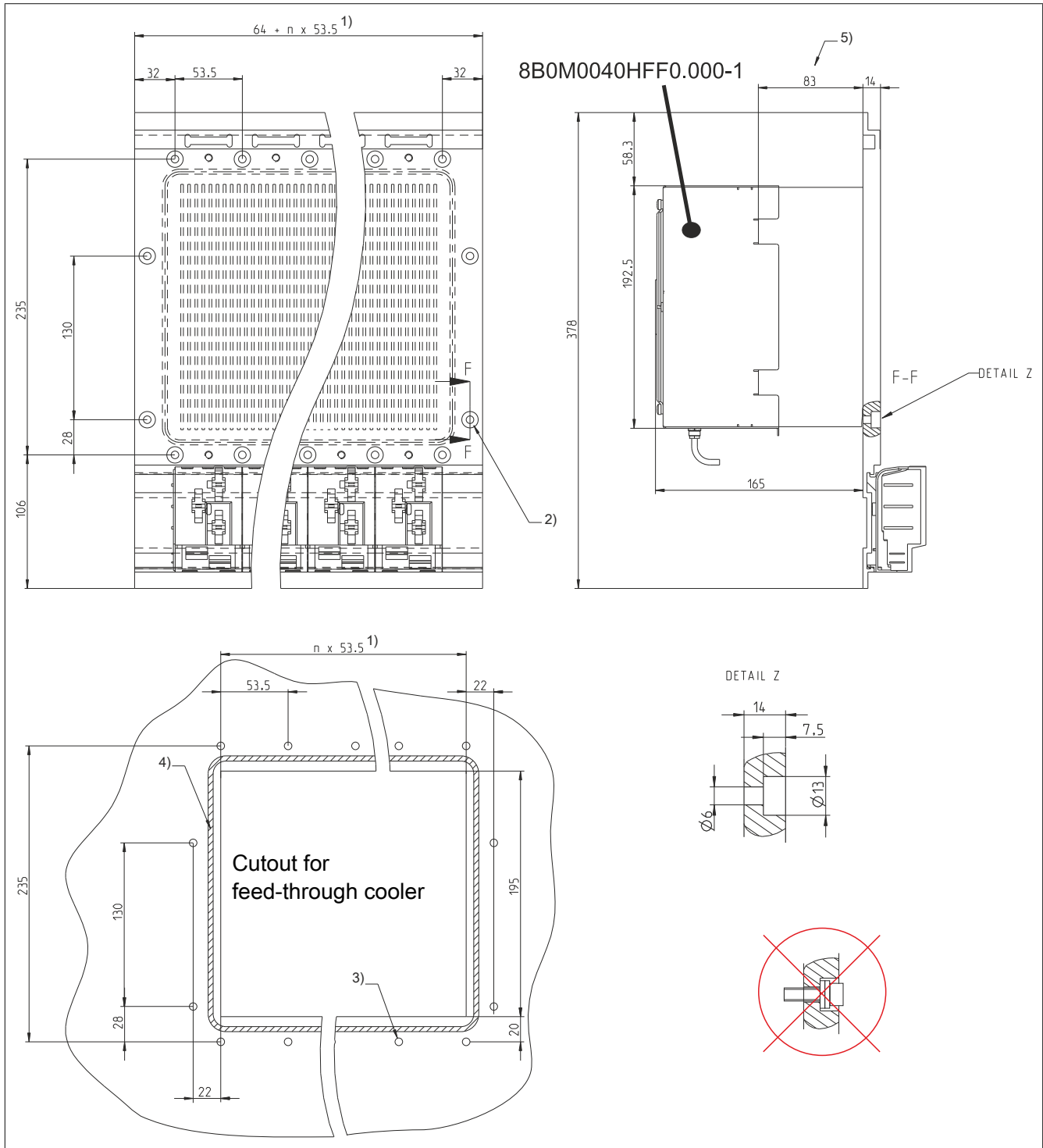


Figure 1: Dimension diagram and installation dimensions

- 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.