

# 8B0K1650HW00.000-1

## 1 General information

- Serves to buffer the DC bus
- Seamless integration in the ACOPOSmulti drive system
- Charging circuit

## 2 Order data


Model number	Short description	Figure
	<b>Wall mounting</b>	
8B0K1650HW00.000-1	ACOPOSmulti capacitor module, 1650 $\mu$ F, HV, wall mounting	
	<b>Optional accessories</b>	
	<b>Fan modules</b>	
8BXF001.0000-00	ACOPOSmulti fan module, replacement fan for ACOPOSmulti modules (8BxP/8B0C/8BVI/8BVE/8B0K)	

Table 1: 8B0K1650HW00.000-1 - Order data

## 3 Technical data

Model number	8B0K1650HW00.000-1
<b>General information</b>	
Cooling and mounting method	Wall mounting
Certifications	
CE	Yes
KC	Yes
UL	cULus E225616 Power conversion equipment
<b>DC bus connection</b>	
Voltage	
Nominal	750 VDC
Power dissipation at max. device power	In preparation
DC bus capacitance	1650 $\mu$ F
Design	ACOPOSmulti backplane
<b>24 VDC supply</b>	
Input voltage	25 VDC +1.6% / -20%
Max. power consumption	3 W
Design	ACOPOSmulti backplane
<b>Operating conditions</b>	
Permissible mounting orientations	
Hanging vertically	Yes
Lying horizontally	Yes
Standing horizontally	No
Installation at elevations above sea level	
Nominal	0 to 500 m
Maximum <sup>1)</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	IP20

Table 2: 8B0K1650HW00.000-1 - Technical data

Model number	8B0K1650HW00.000-1
<b>Environmental conditions</b>	
Temperature	
Operation	
Nominal	5 to 40°C
Maximum <sup>2)</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
<b>Mechanical characteristics</b>	
Dimensions <sup>3)</sup>	
Width	53 mm
Height	317 mm
Depth	
Wall mounting	263 mm
Weight	Approx. 3.2 kg
Module width	1

Table 2: 8B0K1650HW00.000-1 - Technical data

- 1) Continuous operation at an installation elevation of 500 m to 4,000 m above sea level is possible taking the specified reduction of continuous current into account. Requirements that go beyond this must be arranged with B&R.
- 2) Continuous operation at an ambient temperature of 40°C to max. 55°C is possible taking the specified reduction of continuous torque into account, but this results in premature aging of components.
- 3) These dimensions refer to the actual device dimensions including the respective mounting plate. Make sure to leave additional space above and below the devices for mounting, connections and air circulation.

## 4 Status indicators

Status indicators are located on the black cover of each module.

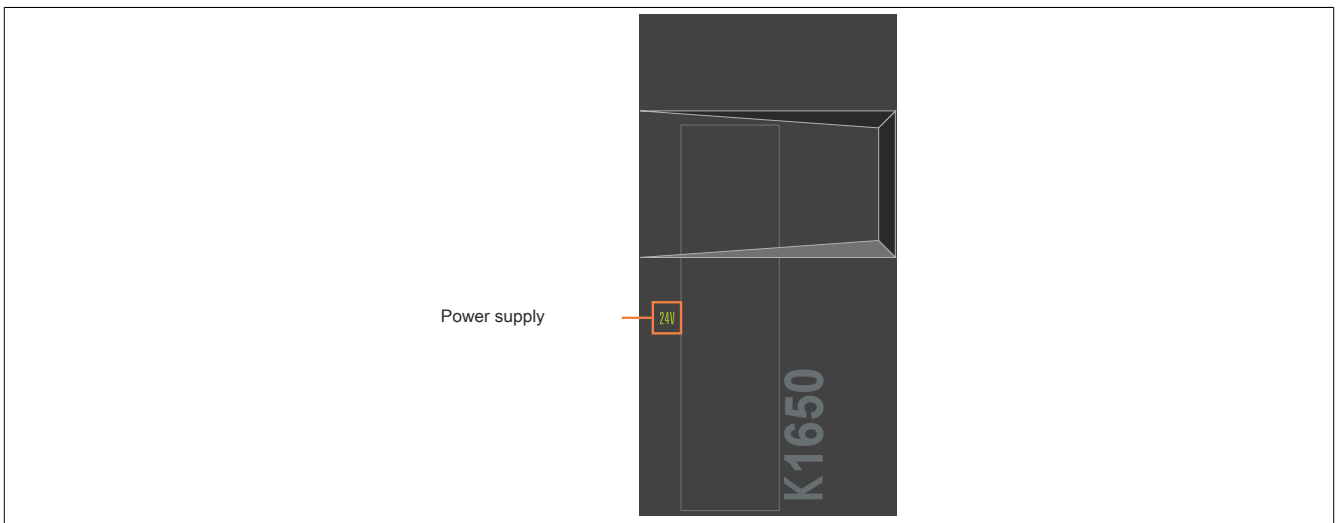


Figure 1: Status indicator groups for 8B0K capacitor modules without integrated charging circuit

### 4.1 LED status indicators

Status indicator group	Label	Color	Function	Description
Power supply	24 V	Green	24 V OK	The 24 V power supply of the module is within the tolerance range.

Table 3: 8B0K capacitor modules - LED status indicators

## 5 Dimension diagram and installation dimensions

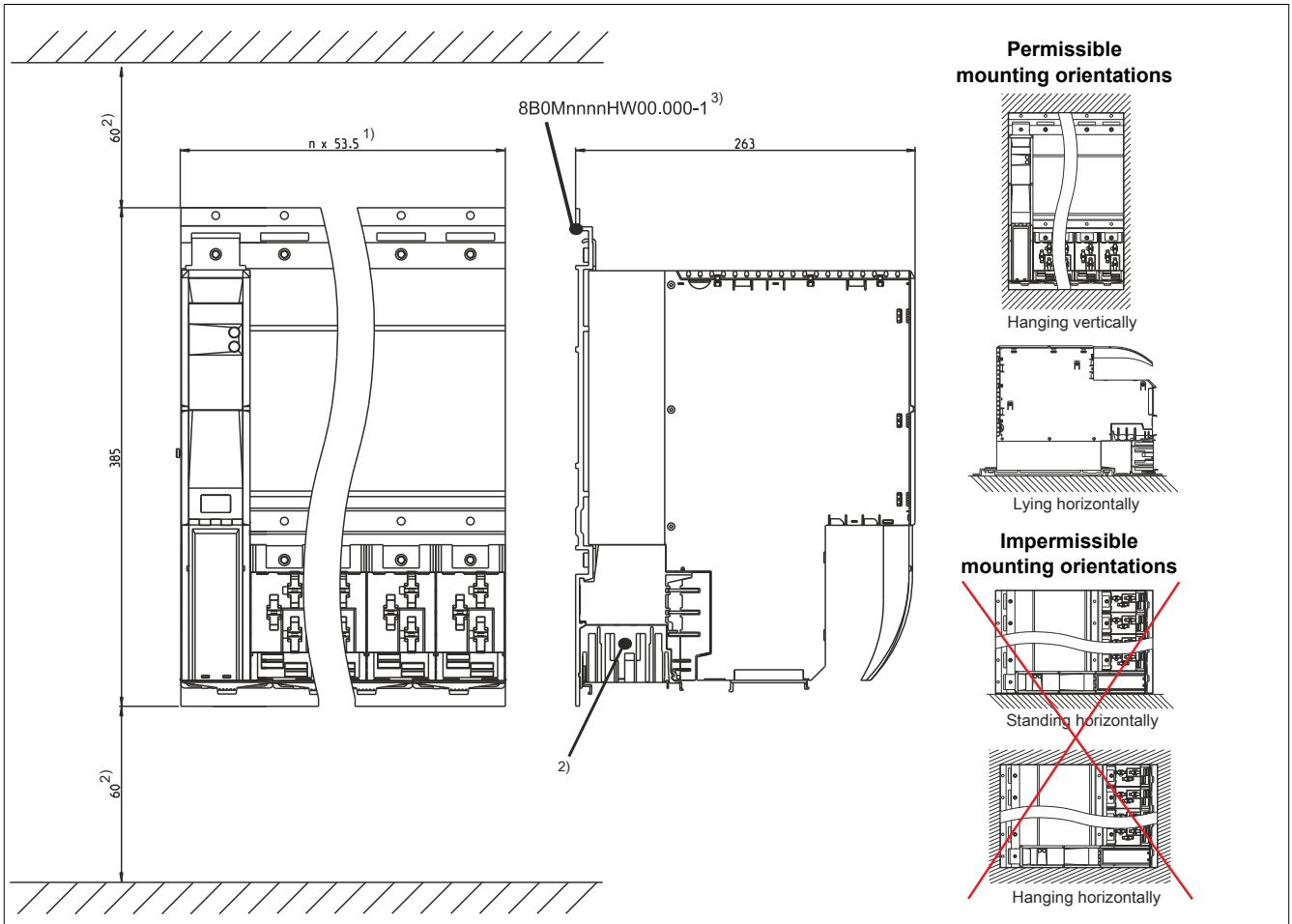


Figure 2: Dimension diagram and installation dimensions

- 1)  $n$ ... Number of width units on the mounting plate
- 2) For sufficient air circulation, a clearance of at least 60 mm must be provided above the mounting plate and below the module.  
**To ensure that the fan modules in the mounting plate can be replaced easily, at least 250 mm clearance must be available below the module.**
- 3) nnnn indicates the number of slots (e.g. 0160 refers to 16 slots).