

WEB	AVAILABLE MODELS		
	OH3215 - C2.P24	OH3215 - C2.P12.SF	OH3215 - C2.A3.P12.SF
	OH3215 - C2.P12	OH3215 - C2.P12.SE	OH3215 - C2.A3.P12.SE
	OH3215 - C2.P48	OH3215 - C2.P24.SF	OH3215 - C2.A3.P24.SF
	OH3215 - C2.A3.P12	OH3215 - C2.P24.SE	OH3215 - C2.A3.P24.SE
	OH3215 - C2.A3.P24	OH3215 - C2.P48.SE	OH3215 - C2.A3.P48.SE
	OH3215 - C2.A3.P48	OH3215 - C2.P48.SF	OH3215 - C2.A3.P48.SF
	OPTIONAL EQUIPMENT A3 - Level 3 surge protection C2 - 2 A circuit breaker / type C P12, P24, P48 - 40 W power supply, 230 VAC - 12, 24, 48 VDC SE - 230 VAC socket, type E (CZ) SF - 230 VAC socket, type F (DE)		

Interface specifications and operating conditions

Parameter	Value
Rated input voltage	230 VAC
Input voltage range	85 to 264 VAC
Input frequency range	47 to 63 Hz
Number of phases	1
Output voltage	P12 - 12 to 15 VDC P24 - 24 to 30 VDC P48 - 48 to 56 VDC
Number of input/output circuits	1 / 1
Input circuit breaker	2 A - type C
Rated short-circuit current	10 kA
Installation environment	Indoor / outdoor
Degree of protection	IP66
Mechanical resistance	IK10
Colour	RAL 7035

- The installation, configuration and operation of the switchboards must only be carried out by a person with the appropriate electrical engineering qualifications who has thoroughly familiarised themselves with these instructions.
- Disconnect the 230 VAC power supply before installation. Do not reconnect the power supply until installation is complete. Do not install a damaged or incomplete switchboard; report it as a fault. At the end of its service life, dispose of it as electrical waste.
- Do not exceed the control cabinet's rated parameters. A dangerous voltage remains on the power supply for several minutes after it has been switched off. Connect the control cabinet only to a mains supply with a protective earth (PE) conductor.
- Protect the interior of the power supply unit from foreign objects and liquids – there is a risk of electric shock or damage to the power supply unit. Do not cover the ventilation openings of the power supply unit, as this could cause it to overheat.
- Do not touch the internal components of the power supply – there is a risk of electric shock or burns.

Calculation of heat gain

Input conditions for the calculation:

- Latitude: $\varphi = 50^\circ \text{ N}$
- Surface thermal conductivity coefficient: $k = 5.5 \text{ W/(m}^2 \cdot \text{K)}$ (steel enclosure RAL 7035, unventilated, in accordance with standard IEC TR 60890:2022)
- Direct solar radiation intensity: $E = 900 \text{ W/m}^2$ (Central Europe, summer solstice, worst-case scenario, in accordance with IEC TR 60890:2022)

Installation method	Ambient temperature [°C]	Solar radiation and 900 W/m ²	Load on the power source [W]	Internal temperature [°C]
Wall mounting	40	No	32.5	47.6
On a SOUTH-facing post	35	Yes	32.5	66.6
On a pole facing EAST / WEST	40	Yes	32.5	63.7

Installation procedure

1) Assembly

Securely bolt the switchboard in place using the mounting holes in the corners.

- a) On a flat surface. Use the KIT-OH mounting kit for installation.
- b) On the HOLDER-OH3215 bracket (for pole mounting). Secure the switchboard to the pole using the cable clamps and screws supplied with the bracket.

NOTE:

Distribution boards must always be installed in a vertical position with the cable outlets facing downwards.

When installing, use the fixing elements in accordance with the instructions and illustrations on this and the following pages.

HOLDER-OH3215 brackets are intended for use only on round poles with a diameter of between 150 and 215 mm.

2) Earthing the switchboard and surge protection devices

The switchboard is fitted with two PE terminals. Earth it using a copper conductor with a cross-section of 16 mm². Screw the conductor into the green-yellow terminal block (to the left of the lower DIN35 rail). The earth resistance must be within the range of 10 Ω.

3) 230 VAC connection

Connect the 230 VAC power supply:

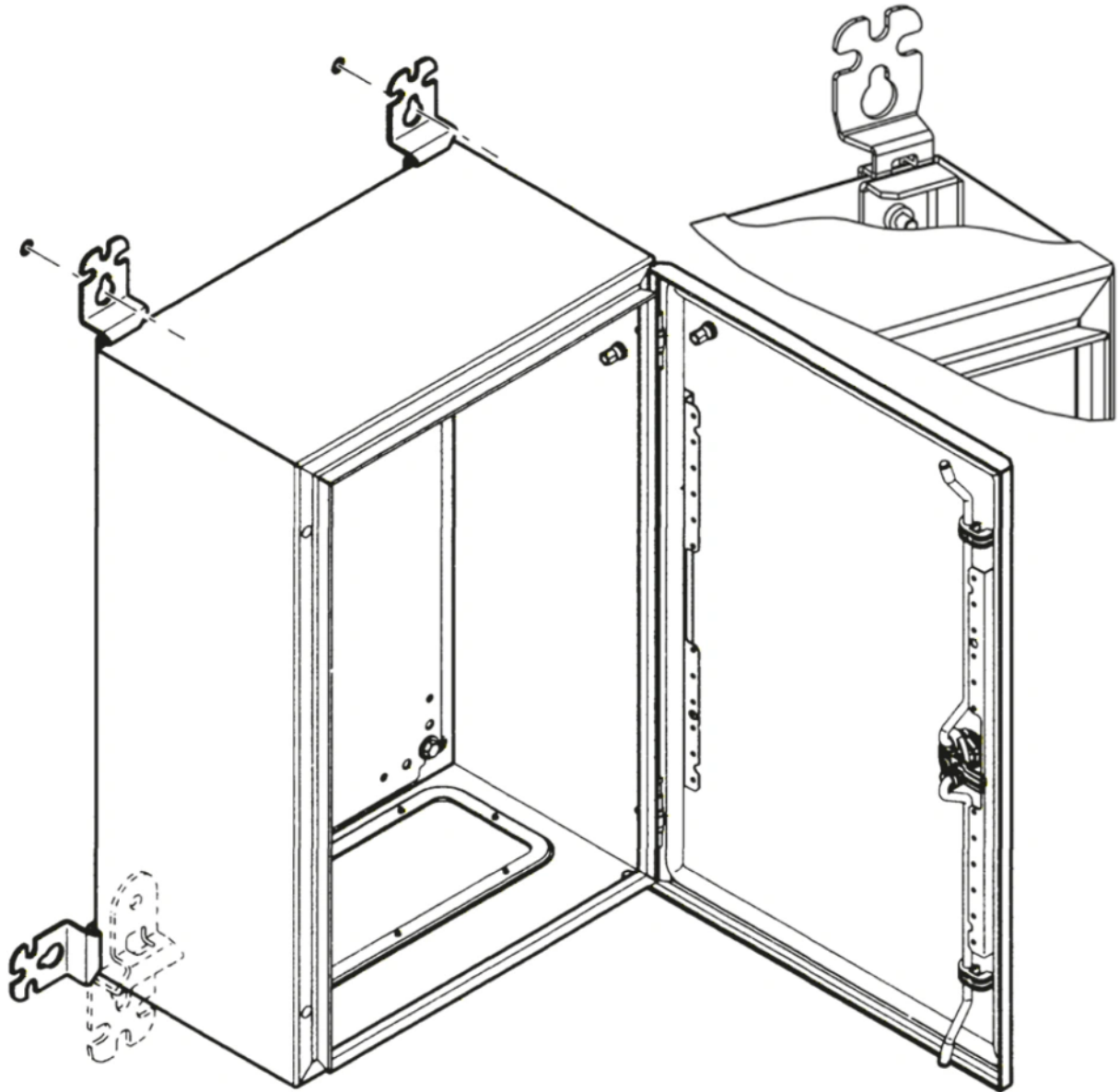
- L – to the brown terminal,
- N – to the blue terminal,
- PE – to the green-yellow terminal.

Use single-core or stranded wires with a cross-section of between 1.5 and 4 mm for the connection.

4) Connecting optical cables

Feed the fibre-optic cables through the grommets into the fibre-optic box. Once the connectors have been fitted, close the box with the lid.

Wall installation using the KIT-OH kit



Pole mounting using the HOLDER-OH3215

