



Enclosures for HW, TW & XW 22mm Switches & Pilot Devices

- Features**
- Three compact sizes (mm): 76 x 76, 140 x 76 and 200 x 76
 - Available in 1, 2, 3, 4 or 5 mounting hole configurations
 - Easy installation: panel, wall or frame mountable
 - Polycarbonate enclosure cover and base, stainless steel screws
 - UL Listed, RoHS Compliant
 - IP65 and Nema Type 4X rated (when installed with IP65 or Nema Type 4X unit)
 - Class II electric shock protection (when installed with applicable unit)
 - Ideal for high temperatures (-25 to 60°C) & corrosive environments



Switches & pilot devices are sold separately.



Specifications

Operating Conditions	Ambient temperature	-25 to +60°C (no freezing)
	Relative humidity	45 to 85%RH (no condensation)
	Storage temperature	-40 to +80°C (no freezing)
	Degree of pollution	3
Degree of Protection	IP65 (when IP65 switches & pilot devices are installed) NEMA Type 4X Indoor Use Only (when Type 4X switches & pilot devices are installed)	
Electric Shock Protection	Class II (when class II switches & pilot devices are installed)	
Material	Cover and base	Polycarbonate
	Cover mounting screws	Stainless steel
Applicable Switches & Pilot Devices	HW, TW and XW series switches, pilot devices & accessories (see note below)	
Weight (approx.)	76mm type: 125g (FB1W-111Z) 140mm type: 184g (FB2W-211Z) 200mm type: 243g (FB3W-311Z)	

Note: Choose switches, pilot devices and accessories that match the mounting hole centers, effective depth behind the cover, and the thickness of the cover where switches and pilot devices are installed (3 mm). Enclosures with 30 or 36mm mounting hole centers may limit the knob orientation of selector switches because the contact blocks can be mounted in one direction only on these mounting centers.

Enclosure Part Numbers

Size (mm)	Description	Part Number	Distance Between Hole Centers (mm)
76 x 76 x 59.5	Enclosure 1 hole, Yellow	FB1W-111Y	—
	Enclosure 1 hole, Beige	FB1W-111Z	—
140 x 76 x 59.5	Enclosure 2 hole, Beige	FB2W-211Z	50
	Enclosure 3 hole, Beige	FB2W-312Z	30
200 x 76 x 59.5	Enclosure 3 hole, Beige	FB3W-311Z	50
	Enclosure 4 hole, Beige	FB3W-413Z	36
	Enclosure 5 hole, Beige	FB3W-512Z	30

Accessories

Description	Part Number
Plug Adaptor 13.5mm	HW9Z-PG135
Mounting Bracket	FB9Z-PK1

Note: Connectors and nuts are not supplied with accessories.

Switch & Pilot Device Accessories

Series	Description	Part Number
HW Series	Nameplate	HWAM, HWAQ, HWAS, HWAV
	Marking plate for nameplate	HWNP
	Anti-rotation ring	HW9Z-RL
	EMO switch guard	HW9Z-KG1, HW9Z-KG2 HW9Z-KG3, HW9Z-KG4
	Switch cover	HW9Z-K1, HW9Z-K11
	Pushbutton clear boot	OC-31, OC-32
	Padlock cover	HW9Z-KL1
XW Series E-Stops	Nameplate	HWAV
	EMO switch guard	HW9Z-KG1, HW9Z-KG2 HW9Z-KG3, HW9Z-KG4
	Anti-rotation ring	HW9Z-RL
TW Series	Nameplate	NWA, NWAQ, NWA-S, NWA-S-0, NWA-S-0, NWA-S-0, NWA-S-0
	Anti-rotation ring	OG-L-31
	Metal button guard	OLW-C
	Pushbutton clear boot	OC-31, OC-32
	Button cover	OCW-11
	Padlock cover	HW9Z-KL1

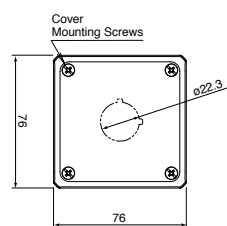


Diagram illustrating the front panel dimensions and cover mounting screws. The panel is 140mm high and 76mm wide. There are four cover mounting screws at the corners. The distance between the centers of the two circular cutouts is 50mm.

Diagram illustrating the cover mounting screws for the 1000 Series. The cover is rectangular with a total height of 140 and a total width of 76. The mounting screws are located at the corners. The distance from the top edge to the center of the top two screws is 30, and the distance from the bottom edge to the center of the bottom two screws is 30.

Diagram of the front panel of the 1000 Series 12U Rack Mountable Power Supply. The panel is 200 units high and 76 units wide. It features four cover mounting screws at the corners and four circular ventilation holes. The vertical spacing between the holes is 36 units, and the distance from the top hole to the top edge is 36 units. The distance from the bottom hole to the bottom edge is 36 units.

Diagram of the front panel showing dimensions. The panel is 200mm high and 76mm wide. It features four mounting screws at the corners and four circular ports arranged vertically. The distance between the centers of the ports is 30mm each, and the distance from the top edge to the first port center is 30mm.

Model	FB1	FB2	FB3
D	45	92	150

2-Front Mounting Holes

ø14 Knockout

21

21

41

20°

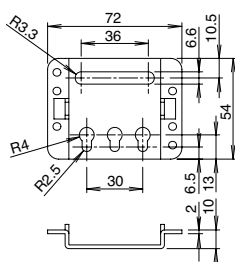
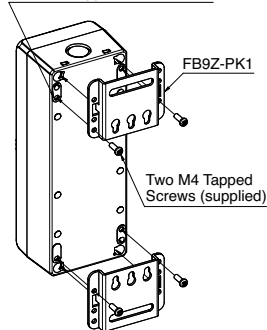
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Model	FB2	FB3
A	84	144
B	104	164
C	106	166

Four M4 Tapped Screw Holes



Model	FB1	FB2	FB3	FB2/FB3
		50mm Mounting Centers	36/50mm Mounting Centers	30mm Mounting Centers
Shape				



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