

**M 3421****Subrack M 3421**

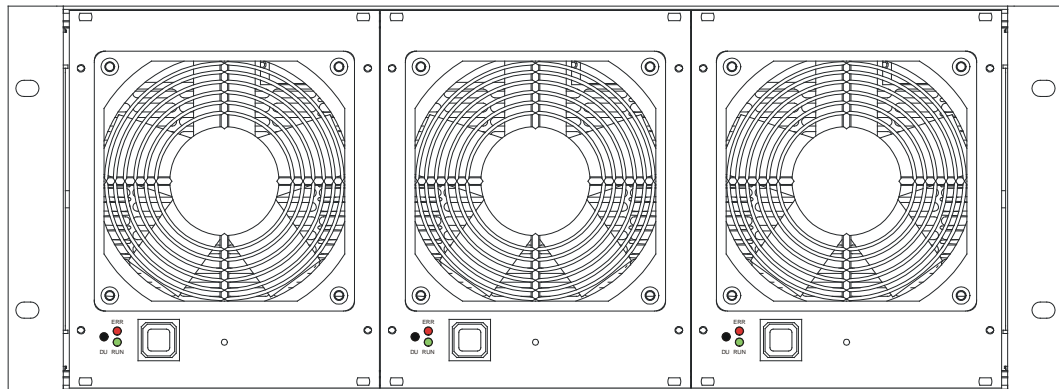
Subrack for the 19-inches system according to EN 60297-3,
4 units high, for up to three power supply units PS 1000 (24V or 48V)

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1 Subrack M 3421

1.1 Construction

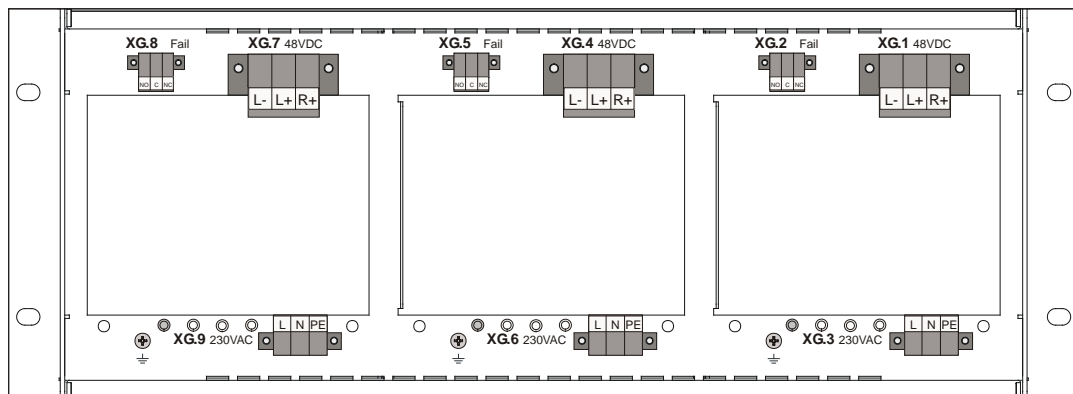


Front view with power supply units (Delivery without power supply units)

Figure 1: Front view subrack M 3421

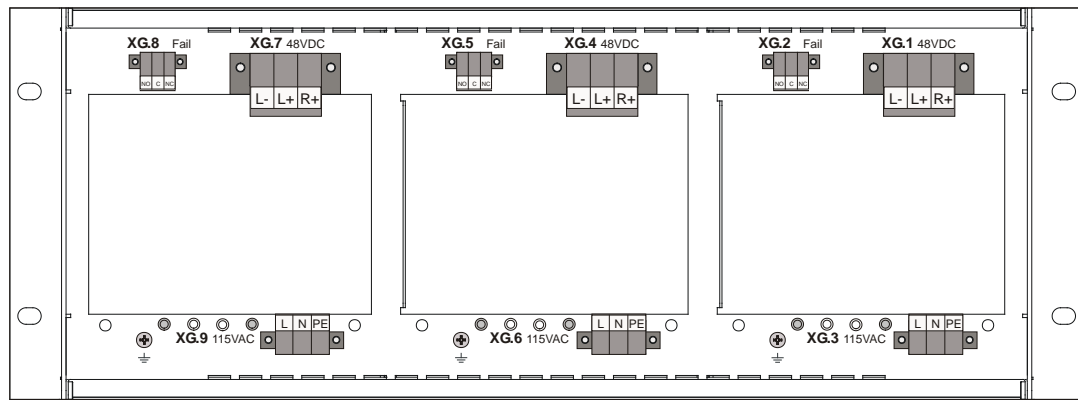
Each power supply is equipped with a fan at the front. It is important for mounting the subrack to ensure an easy air flow at its front and rear.

When a power supply unit is plugged into a slot of the subrack, all connections of it are made automatically via plug-in terminals on the rear of the subrack.



Terminals for separated connection of the power supply units
(Example for 48 V output voltage)

Figure 2: Rear view (240 VAC)



**Terminals for separated connection of the power supply units
(Example for 48 V output voltage)**

Figure 3: Rear view (120 VAC)

A coding field is located below the ventilation slots on the back plate of the power supply series with 48 VDC output voltage. This field has four plain holes for guide pins.

In case of the power supply unit 120 V the left and the right guide pin of the coding field are screwed from the inside of the power supply (see rear view 120 VAC, gray circles).

At the 240 V power supply unit only the left guide pin exists (see rear view 240 VAC, gray circle). In this way one could distinguish the different power supply series (120 VAC / 240 VAC) on the rear side of the subrack M 3421.

The guide pins code the type of power supply.

They also help when the power supply is plugged into the subrack. The pins fit to the according plain holes in the back plate of the subrack.

Notes for parallel or redundant operation of power supply units

For parallel or redundant operation of the power supply units the concerning terminals R+ are interconnected (with L- as reference pole). Additional decoupling diodes are not required.

Redundant switched off power supply units can be replaced during operation without switching off any other unit.

1.2 Accessories for Subrack M 3421

Cable tray M 4412,
for assembly at the rear (top or bottom),
with mounting screws

Part no. 60 5240001

Blind plate M 4413,
4 units high, 28 spacing units
for front covering of an empty slot,
with mounting screws

Part no. 60 5240002

Air guide M 7202,
19 inches, 1 unit high
with labeling field

Part no. 78 1990009

Use with components built-in below the subrack M 3421

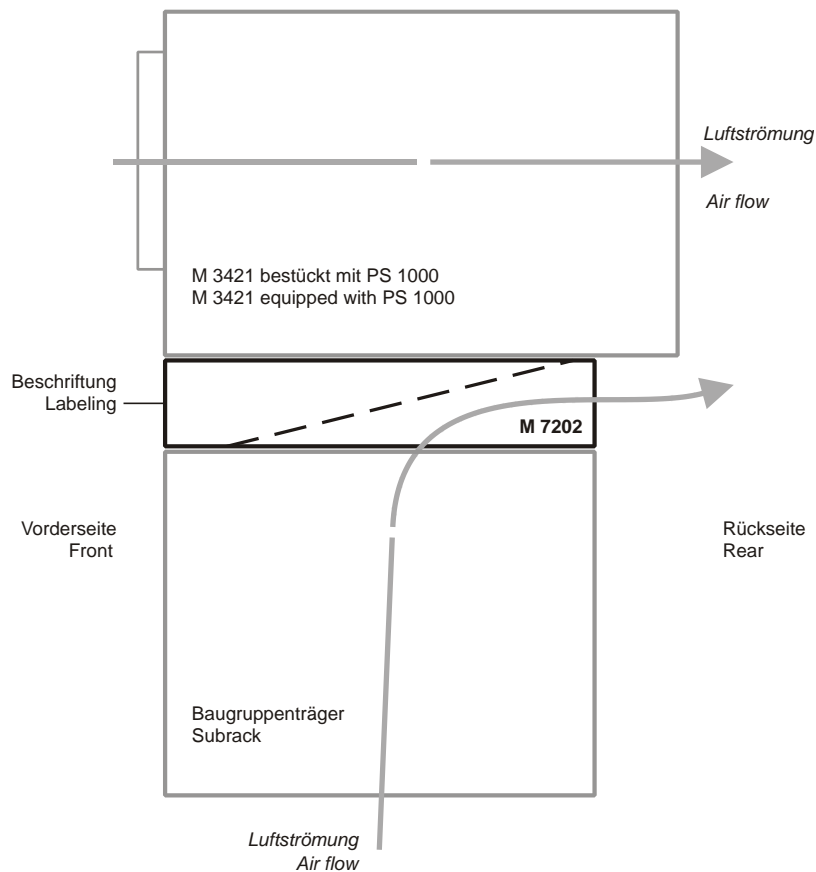


Figure 4: Air guiding with M 7202

1.3 Technical Data Subrack M 3421

Subrack M 3421	
Material	Housing: Steel sheet, galvanized Side walls: Aluminium, surface chromated
Equipment	max. 3 power supply units PS 1000 (24V or 48V)
Total load (fully equipped)	120 A continuously (40 A per unit)
Connections	Cross section of terminals per slot: 240/120 VAC 4 mm ² 24/48 VDC 10 mm ² Fail 1.5 mm ²
Dimensions	482.6 mm (19 inches), 4 units high
Mounting depth	340 mm (including cable supply)
Weight	approx. 3.3 kg (without equipment)