

4 Cabinet

4.5 MCAR-02

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4.5.1 Mounting Carrier (36 inch)

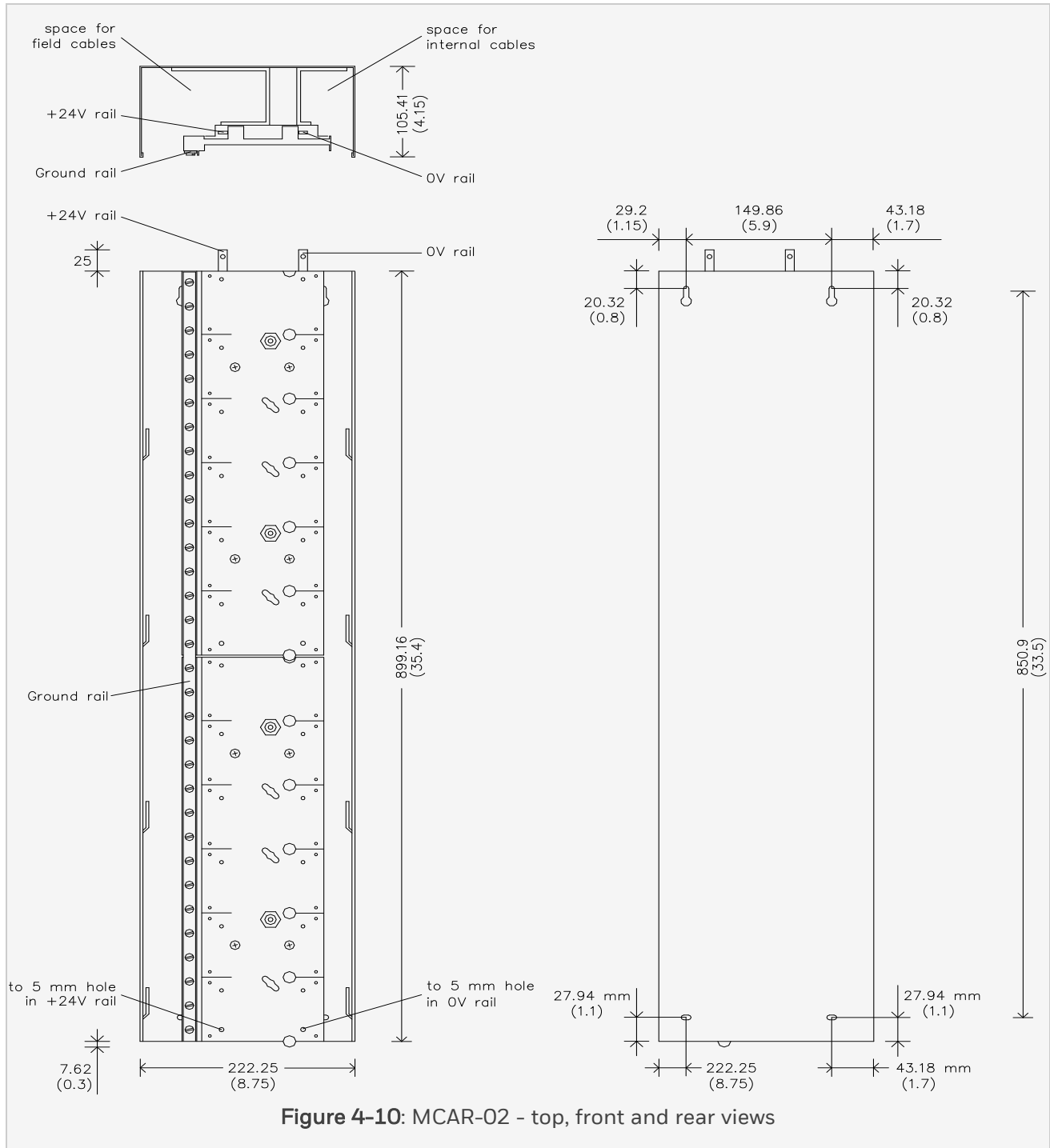
The MCAR-02 is a carrier that can be screwed on any flat surface.

The MCAR-02 can carry two IOTA-R24 assemblies. The below figure shows the physical appearance and the coordinates of the four mounting holes.

The MCAR-02 consists of:

- A Cable Carrier Assembly (CCA)
- A metal profile
- Two plastic cover plates
- A ground rail with 32 ground connection screws
- Two power rails with M5 holes (+24V and 0V)
- Four mounting holes (use screws with a diameter <5.5 mm)

The power rails of two MCAR-02 carriers can be coupled. Use two M5 screws to connect the two power rails of the top carrier with the bottom carrier (through the 5 mm holes).



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4.5.2 Mounting an IOTA-R24

An IOTA-R24 is fixed on the MCAR-02 with ten ground screws and two power screws (24V and COM).

24Vdc power must be connected to the MCAR-02 on the power rails using M5 screws.

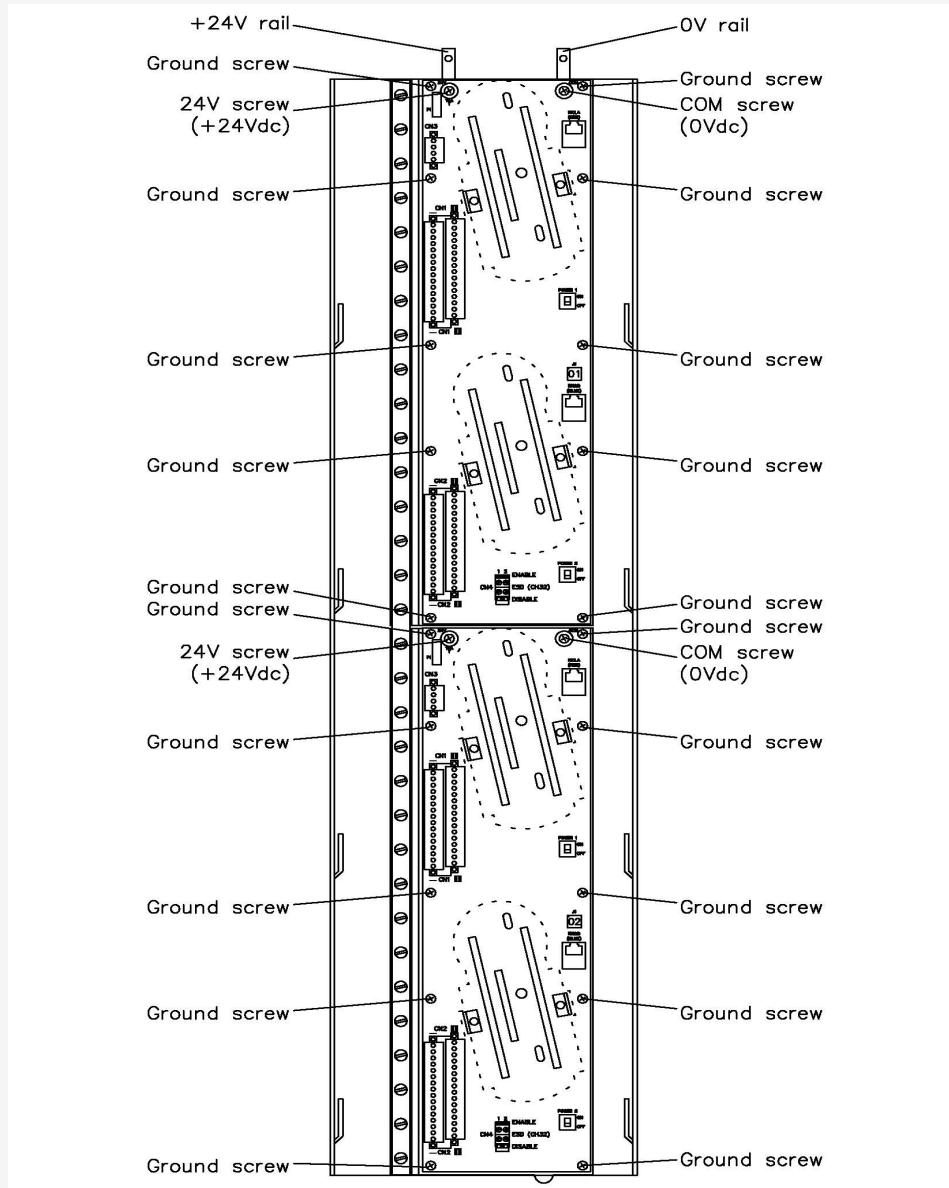


Figure 4-11: MCAR-02 with two mounted IOTA-R24 modules

4.5.3 Mounting IOTA-NR24 units

Up to three (3) IOTA-NR24 units can be fixed on the MCAR-02 with eight ground screws and two power screws (24V and COM) each.

24Vdc power must be connected to the MCAR-02 on the power rails using M5 screws.

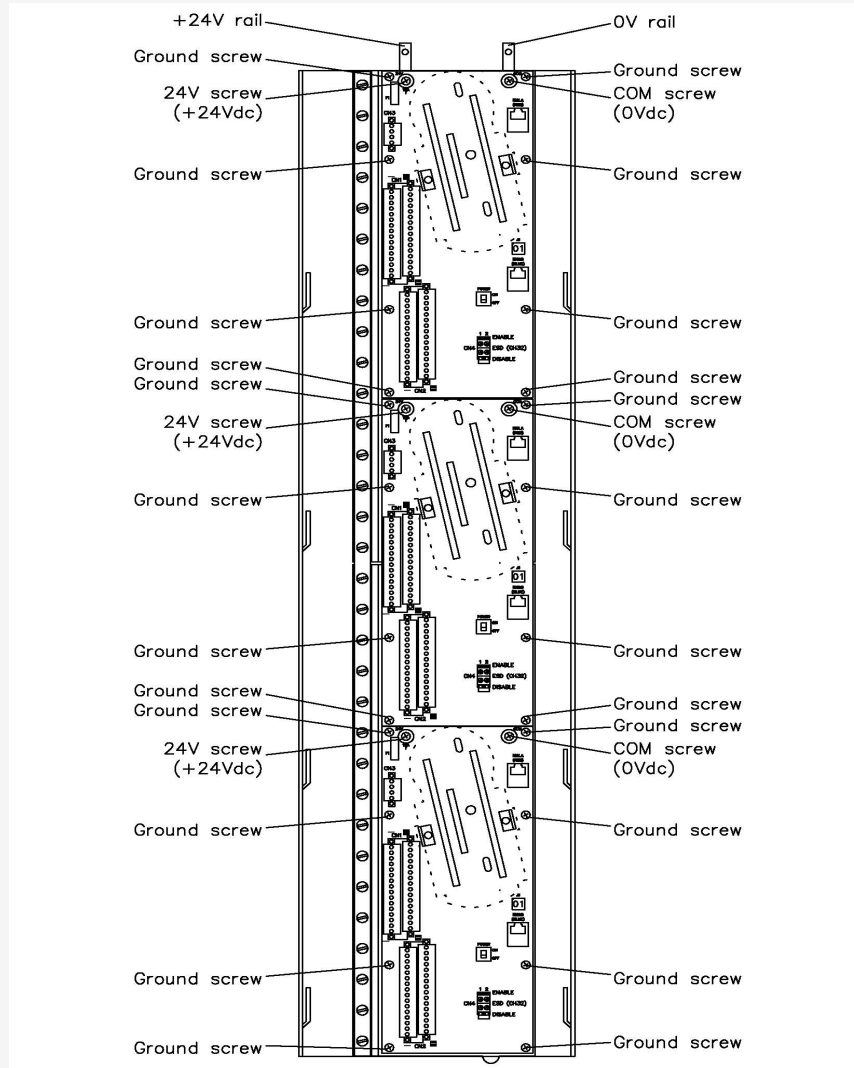


Figure 4-12: MCAR-02 with two mounted IOTA-NR24 modules

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4.5.4 Technical data

The MCAR-02 has the following specifications:

General	Type number:	FC-MCAR-02
	Operating temperature:	-40 .. +70°C (-40 .. +158°F)
	Storage temperature:	-40 .. +85°C (-40 .. +185°F)
	Relative humidity:	10..95% (non condensing)
	Pollution:	Pollution degree 2 or better
	Approvals:	CE; UL
Power	Supply voltage:	24 V DC -15%..+30%
	Supply current:	none
	Supply rail current:	max. 40 A
Connections	24V supply:	2 x M5 2 x 5mm hole (for coupling of carriers)
	Ground:	32 x M5
Physical Data	Dimensions (H x W x D):	105.4 x 222.3 x 931.8 mm 4.15 x 8.75 x 36.7 in
	Weight:	6.1 kg 13.4 lbs