

# Modular Single Door, MCS

## Power Utilities



The mild steel single door modular floor standing enclosure range, MCS, with a IP 55 protection degree, is available off the shelf in many different sizes. This enclosure range is well suited for many different applications. The risk for component failure, and with that unnecessary downtime, is eliminated as water and dust are prevented from entering the enclosure.

### INDUSTRY STANDARDS

UL 508A Listed; Type 12; File No. E92044

cUL Listed per CSA C22.2 No.0, No.0.4, No.14, No.94; Type 12; File No. E92044

NEMA/EEMAC Type 12

CSA, File No. 1442951: Type 12

IEC 62208 IP55

KEMA, GOST, DNV, CE, EAC

### FEATURES

Frame: Seam welded reversed open profiles with 25 mm hole pattern, according to DIN 43660 Including integrated external hole pattern

Door: Mounted with four hinges allowing left or right hand opening; including door frame with 25 mm hole pattern

Rear panel: Fitted by M6 torx screws; standard facilities for rear door mounting

Side Panels supplied as an accessory

Removable roof panel

Lock: Espagnolette 4-point locking system which does not interfere with the enclosure inner space; standard double-bit lock with 3 mm insert

Bottom plate: Consists of three or four (D>600) pieces

Mounting plate: Double folded and slides into position with adjustable depths of 25 mm, with the MPD02 accessory

Earthing/Grounding: All panels are earthed through their fittings and are equipped with a separate earthing stud

Mounting requirements: Standard delivery ready for combined installation; for stand-alone installation add side panels

Delivery: Frame with fitted door, rear panel, roof panel, bottom plates, mounting plate (not included for PER5 version) and door frame; for 400 mm wide enclosures, a mounting plate, bottom plates and door frame are not included; for enclosures 2200 mm height, delivery includes two CMB profiles mounted in depth; delivery also includes earthing bolts

## SPECIFICATIONS

|                        |               |
|------------------------|---------------|
| <b>Body Thickness:</b> | 1.5 mm        |
| <b>Door Thickness:</b> | 2 mm          |
| <b>Color:</b>          | Light Gray    |
| <b>Finish:</b>         | Powder Coated |
| <b>Color Code:</b>     | RAL 7035      |

Table 1/1

| Catalog Number | Article Number | Height  | Width   | Depth  | Material   |
|----------------|----------------|---------|---------|--------|------------|
| MCS18044R5     | MCS18044R5     | 1800 mm | 400 mm  | 400 mm | Mild Steel |
| MCS18045R5     | MCS18045R5     | 1800 mm | 400 mm  | 500 mm | Mild Steel |
| MCS18046R5     | MCS18046R5     | 1800 mm | 400 mm  | 600 mm | Mild Steel |
| MCS18055R5     | MCS18055R5     | 1800 mm | 500 mm  | 500 mm | Mild Steel |
| MCS18064R5     | MCS18064R5     | 1800 mm | 600 mm  | 400 mm | Mild Steel |
| MCS18065R5     | MCS18065R5     | 1800 mm | 600 mm  | 500 mm | Mild Steel |
| MCS18066R5     | MCS18066R5     | 1800 mm | 600 mm  | 600 mm | Mild Steel |
| MCS18084R5     | MCS18084R5     | 1800 mm | 800 mm  | 400 mm | Mild Steel |
| MCS18085R5     | MCS18085R5     | 1800 mm | 800 mm  | 500 mm | Mild Steel |
| MCS18086R5     | MCS18086R5     | 1800 mm | 800 mm  | 600 mm | Mild Steel |
| MCS18104R5     | MCS18104R5     | 1800 mm | 1000 mm | 400 mm | Mild Steel |
| MCS18105R5     | MCS18105R5     | 1800 mm | 1000 mm | 500 mm | Mild Steel |
| MCS18106R5     | MCS18106R5     | 1800 mm | 1000 mm | 600 mm | Mild Steel |
| MCS20044R5     | MCS20044R5     | 2000 mm | 400 mm  | 400 mm | Mild Steel |
| MCS20045R5     | MCS20045R5     | 2000 mm | 400 mm  | 500 mm | Mild Steel |

| Catalog Number | Article Number | Height  | Width   | Depth  | Material   |
|----------------|----------------|---------|---------|--------|------------|
| MCS20046R5     | MCS20046R5     | 2000 mm | 400 mm  | 600 mm | Mild Steel |
| MCS20048R5     | MCS20048R5     | 2000 mm | 400 mm  | 800 mm | Mild Steel |
| MCS20055R5     | MCS20055R5     | 2000 mm | 500 mm  | 500 mm | Mild Steel |
| MCS20064R5     | MCS20064R5     | 2000 mm | 600 mm  | 400 mm | Mild Steel |
| MCS20065R5     | MCS20065R5     | 2000 mm | 600 mm  | 500 mm | Mild Steel |
| MCS20066R5     | MCS20066R5     | 2000 mm | 600 mm  | 600 mm | Mild Steel |
| MCS20068R5     | MCS20068R5     | 2000 mm | 600 mm  | 800 mm | Mild Steel |
| MCS20084R5     | MCS20084R5     | 2000 mm | 800 mm  | 400 mm | Mild Steel |
| MCS20085R5     | MCS20085R5     | 2000 mm | 800 mm  | 500 mm | Mild Steel |
| MCS20086R5     | MCS20086R5     | 2000 mm | 800 mm  | 600 mm | Mild Steel |
| MCS20088R5     | MCS20088R5     | 2000 mm | 800 mm  | 800 mm | Mild Steel |
| MCS20104R5     | MCS20104R5     | 2000 mm | 1000 mm | 400 mm | Mild Steel |
| MCS20105R5     | MCS20105R5     | 2000 mm | 1000 mm | 500 mm | Mild Steel |
| MCS20106R5     | MCS20106R5     | 2000 mm | 1000 mm | 600 mm | Mild Steel |
| MCS20108R5     | MCS20108R5     | 2000 mm | 1000 mm | 800 mm | Mild Steel |
| MCS22066R5     | MCS22066R5     | 2200 mm | 600 mm  | 600 mm | Mild Steel |
| MCS22068R5     | MCS22068R5     | 2200 mm | 600 mm  | 800 mm | Mild Steel |
| MCS22086R5     | MCS22086R5     | 2200 mm | 800 mm  | 600 mm | Mild Steel |

| Catalog Number | Article Number | Height  | Width  | Depth  | Material   |
|----------------|----------------|---------|--------|--------|------------|
| MCS22088R5     | MCS22088R5     | 2200 mm | 800 mm | 800 mm | Mild Steel |

## ADDITIONAL PRODUCT DETAILS

Mild steel side panels, SPM, need to be ordered separately, to close individual enclosures and enclosure assembly's, to ensure the stated protection degree is achieved.

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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