

# MNX Enclosures

## Product presentation

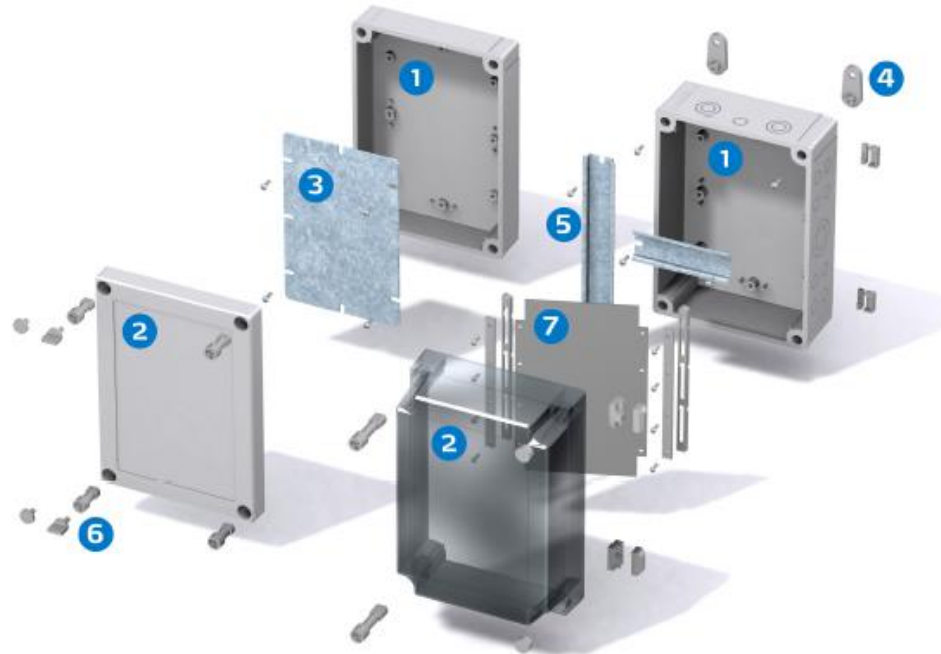
### Fibox MNX

**MNX polycarbonate and ABS enclosures utilize world-class injection moulding technology. They are designed to house and protect all kinds of electrical and electronic components in the most demanding environments and no matter installation height.**

**The MNX includes more than 260 different versions. Choose MNX if you have a large product family that needs to be housed in matching enclosures with the minimum of fuss.**



# MNX Enclosures



## Enclosure

- 1 PC or ABS enclosure, different heights, optionally also available with metric knockouts to assure a quick fitting assembly
- 2 PC cover, grey or smoked transparent

## Accessories

- 3 Mounting plate, Electro-galvanised steel
- 4 Fastening lugs, 4 pcs. incl. screws
- 5 DIN rail TS 15/TS 35
- 6 Cover screws, various versions
- 7 Pivotable front plate, aluminium

# MNX Enclosures

## Features



260 versions

Sizes from 100x100x35 up to 360x255x152

Available with metric knock-out for cable glands

Polycarbonate UL approved

IP 66/67

IK 07 (ABS) or 08 (PC)

Cover available in grey and smoked transparent

Plastic cover screws

Wide range of accessories

# MNX Enclosures

## Technical information and approvals

| MNX technical information                               |   |                           | Confirmity to standards  |
|---|---|---------------------------|--|
| Property  | Polycarbonate (PC)                        | ABS                       |  |
| Ingress Protection (EN 60529)                           | IP 66/IP 67                               | IP 66/IP 67               | <b>USA</b> Enclosures for Electrical Equipment<br>PC: UL Type 1, 4, 4X, 6 (12 or 13); UL File E75645 Vol 1 Sec 7;<br>UL 746C-5VA flame test (UL 50/508)*<br>ABS: NEMA 1, 4, 4X, 6 (12 or 13)<br><br><b>Canada</b> Industrial Control Equipment<br>Enclosures for Electrical Equipment/ULc*<br><br><b>Europe</b> Empty enclosures for low-voltage switchgear and<br>controlgear assemblies EN 62208:2003<br><b>Europe</b> Safety of Information Technology Equipment EN 60950<br>RoHS directive 2002/95/EC<br><br><b>Russia</b> GostR - Gost Russian certificate of conformity<br><br>* UL label on request |
| Impact Resistance (EN 62262)                            | IK 08                                     | IK 07                     |  |
| Temperature Range Celsius                               | -40° .. 120°C                             | -40° .. 80°C              |  |
| (short term) Fahrenheit                                 | -40° .. 250°F                             | -40° .. 175°F             |  |
| Temperature Range Celsius                               | -40° .. 80°C                              | -40° .. 60°C              |  |
| (continuous) Fahrenheit                                 | -40° .. 175°F                             | -40° .. 140°F             |  |
| Electrical Insulation                                   | Totally insulated ☑                       | Totally insulated ☑       |  |
| Light Grey Parts Colour                                 | RAL 7035<br>Industry Grey                 | RAL 7035<br>Industry Grey |  |
| Transparent Clear PC Cover                              | Smoked Grey                               | Smoked Grey               |  |
| Cover Screws  | Black or Grey                             | Black or Grey             |  |
| Cover Screws  | Polyamide (PA)                            | Polyamide (PA)            |  |
| Gasket  | TPE/PUR                                   | TPE/PUR                   |  |
| Enclosure Flammability Rating                           | UL 746C 5V*                               |                           |  |
| Glow Wire Test<br>(IEC 695-2-1) Self-extinguishing (PC) | 960°C                                     | 650°C                     |  |
| Non-toxicity  | Halogen Free                              | Halogen Free              |  |
| UV resistance   | UL 508<br>720 hours in<br>"Weatherometer" |                           |  |
| Chemical Resistance **                                  | Good                                      | Good                      |  |

Data subject to change without notice.

\*\* Consult separate raw material data for more detailed information

# MNX Enclosures



## Product Key MNX

PC 95/ 35 LT

- Low base (25 mm) + Transparent cover
- Low base (25 mm) + Grey cover
- High base (50 mm) + Transparent cover
- High base (50 mm) + Grey cover
- XH=Extra high base (75 mm) + Transparent cover (13 mm)
- XH=Extra high base (75 mm) + Grey cover (13 mm)
- ZT=Super high base (125 mm) + Transparent cover (27 mm)
- ZG=Super high base (125 mm) + Grey cover (27 mm)

- 35 mm high
- 50 mm high (only for LT+G)
- 60 mm high
- 75 mm high
- 85 mm high
- 88 mm high (only for XHT+G)
- 100 mm
- 125 mm high
- 150 mm high
- 175 mm high

- 95 = Length/width (here 100x100 mm)
- 100 = Length/width (here 130x80 mm)
- 125 = Length/width (here 130x130 mm)
- 150 = Length/width (here 180x130 mm)
- 175 = Length/width (here 180x180 mm)
- 200 = Length/width (here 255x180 mm)
- 300 = Length/width (here 360x255 mm)

- PC = Polycarbonate
- ABS = Acrylnitril-Butadien-Styrol
- PCM = Polycarbonate, enclosures with metric knockouts

# MNX Enclosures

## Typical applications

- Ideal for housing electrical and electronic components in harsh & demanding industrial environments
- Enclosures for electronic devices with PCB & membrane keyboard



# MNX Enclosures

## Typical applications



# MNX Enclosures

## Features

- Recessed area for membrane keyboards





# MNX Enclosures

## Features

- Slide-construction of the moulds – easy to modify



# MNX Enclosures

Learn more:

- [www.fibox.com](http://www.fibox.com)
  - [MNX products](#)
  - [Accessories](#)
- Catalogues
  - [Fibox Enclosure and Cabinet Overview:](#)
  - [Enclosure catalogue 5.0](#)
- Video
  - [MNX, MNX intro, english version 2015](#)

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