

PRODUCT OVERVIEW


The Chromalox® MBOX is a NEMA 4X fiberglass marshalling box that provides a water and dust tight seal for power connection of heat trace cables for pipe and tank freeze protection, process temperature maintenance, and fluid flow and viscosity maintenance in ordinary area locations. Quick release latches are provided on the corners for easy access to the enclosure, and a padlock mechanism is supplied on each latch. It is available to use from 120V-600V supply voltages and in three different sizes of 4, 8 and 12 positions with up to eleven 1/2" (12.7 mm) entries and eight 3/4" (19 mm) entries.

DESCRIPTION

Above insulation, water and dust tight enclosure with quick release corner latches with padlock mechanism used for heating cable power connection.

KIT CONTENTS

1 Enclosure w/gasket

MATERIALS

Junction Box Fiberglass, gray
Gasket..... Silicone rubber, black

APPROVALS

• Ordinary Areas

DIMENSIONS

MBOX 4-4X, WxHxD, in. (mm) 8.5 x 6.91 x 4.25 in.
(216 x 175 x 108 mm)
MBOX 8-4X, WxHxD, in. (mm) 8.5 x 6.91 x 4.25 in.
(216 x 175 x 108 mm)
MBOX 12-4X, WxHxD, in. (mm) 10.5 x 8.91 x 6.25 in.
(267 x 226 x 158 mm)

PRODUCT SPECIFICATIONS

Heating Cable Use MI
Ingress Protection NEMA 4X
Conduit Hub Quantity, Size 11, 0.50 in. (12 mm)
8, 0.75 in. (19 mm)
Minimal Install Temperature -40°F (-40°C)
Maximum Voltage 600 V,
Maximum Circuit Breaker 50 A
Conductor Size Range 6 - 20 AWG
Weight 1 lb (1.81 kg)

INDUSTRIAL MBOX

PRODUCT SPECIFICATIONS con't.

Model	Supply Voltage (V)	Max # of Circuits	# Positions on Load Side	# Positions on Supply Side
MBOX 4-4X	Single Phase 120, 208, 240, 277, 480, 600	2	2	2
MBOX 8-4X	Single Phase 120, 208, 240, 277, 480, 600	4	2	2
	Three Phase 277, 480, 600	1	3	6
MBOX 12-4X	Single Phase 120, 208, 240, 277, 480, 600	6	2	2
	Three Phase 277, 480, 600	2	3	6

Notes:

The MBOX typical connections implies that all power wiring and heating cable connections to a single box.
The last two columns for "# of Positions" are indicating a per circuit value.

ORDER DETAILS

Catalog Description	Industrial MBOX
Part Number (MBOX 4-4X)	532496
Part Number (MBOX 8-4X)	532509
Part Number (MBOX12-4X)	532517



1347 Heil Quaker Blvd
LaVergne, TN 37086

TECHNICAL SUPPORT
412-967-3940

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www.chromalox.com

*press 1 to be directed to heat trace support