

Altech
Altech Abox
Series
Enclosure
with
Terminals



Altech Abox Series Enclosure with Terminals Installation Guide

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Altech Abox Series Enclosure with Terminals



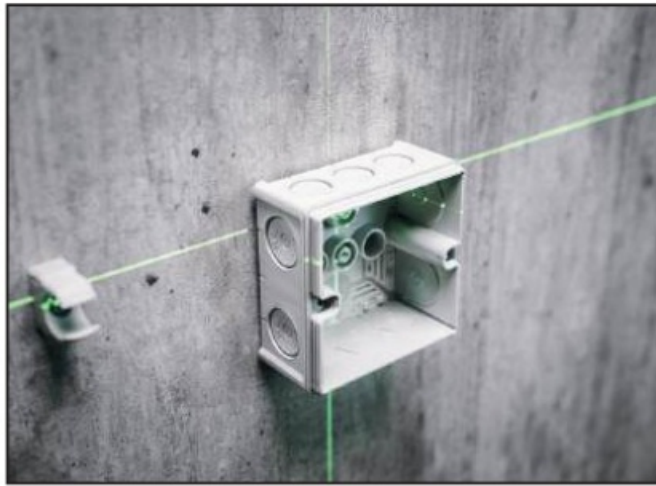
The NEW Abox family consists of eight enclosure sizes that feature an attractive modern design and shape that allow for optimum use of installation space. Each enclosure has either membranes or knockouts on each sidewall and on the backside. Five of the eight enclosures in this family feature "Dual Molding Technology". This feature incorporates self sealing elastomer membranes molded right into the polypropylene body. This allows the user to simply push wires through the membrane or cut them out to install a cable gland. These access holes can accommodate metric cable glands and entry spouts. The number of knockouts has been increased in this newly designed series.

Abox Enclosures are available in sizes ranging from 87 x 87 x 52 mm (3.43 x 3.43 x 2.05 in.) to 252 x 252 x 120 mm (9.92 x 9.92 x 4.72 in.). These enclosures have an IP66 protection rating and are suitable for indoor or protected outdoor use.

- Two to four high grade self tapping screws secure the lid
- Tongue and groove sealing system with thermoplastic elastomer seal.
- Made from non-flammable Polypropylene

CONVENIENCE AND RELIABILITY

Abox Enclosures are manufactured in Polypropylene and are approved by several international test agencies. The unique design of Metric-Membranes allows for installation of large or small cables, cable glands, conduits, and entry spouts while ensuring that the enclosure remains sealed and all housed components are protected.



Center markings Perfect alignment in record time.

Using the center markings on the box, the Abox can be optimally aligned in seconds, by laser for example.



Internal mounting Quickly and easily onto the wall.

Wall mounting is straightforward thanks to the internal fixing points. The screws stay in place due to the membranes.



One for all / Pozidriv/slotted head (PZ/S) No more laborious tool changes.

Only one screwdriver is needed for use with all the screws on the terminal and cover of the new Abox series.



Larger interior space Wiring made easy.

Maximum wiring freedom and ease of working thanks to the larger internal space of the new Abox series.



A Modern Terminal Technique

With our new Abox Enclosures wiring is as easy as 1-2-3. Large numbers of cables from 20 AWG to 2 AWG depending on the enclosure size, can be easily installed. Smaller enclosures are available with push-in spring clamp terminals while the larger enclosures are available with highset screw clamp terminals.

Standard Features

- Protection Level: IP66
- Technical: Self Sealing Soft Elastic Membranes Suitable for Metric Entry
- Sealing Area: M16/M20 – 4 to 16mm
- UL Recognized Enclosure Material: Polypropylene
- Gasket Material: Thermoplastic Elastomer
- Color: Light Gray, White or Black
- Material Operating
- Temperature Range: Polypropylene -25°C to 55°C (-13°F to 131°F)
- Accessories: See section below

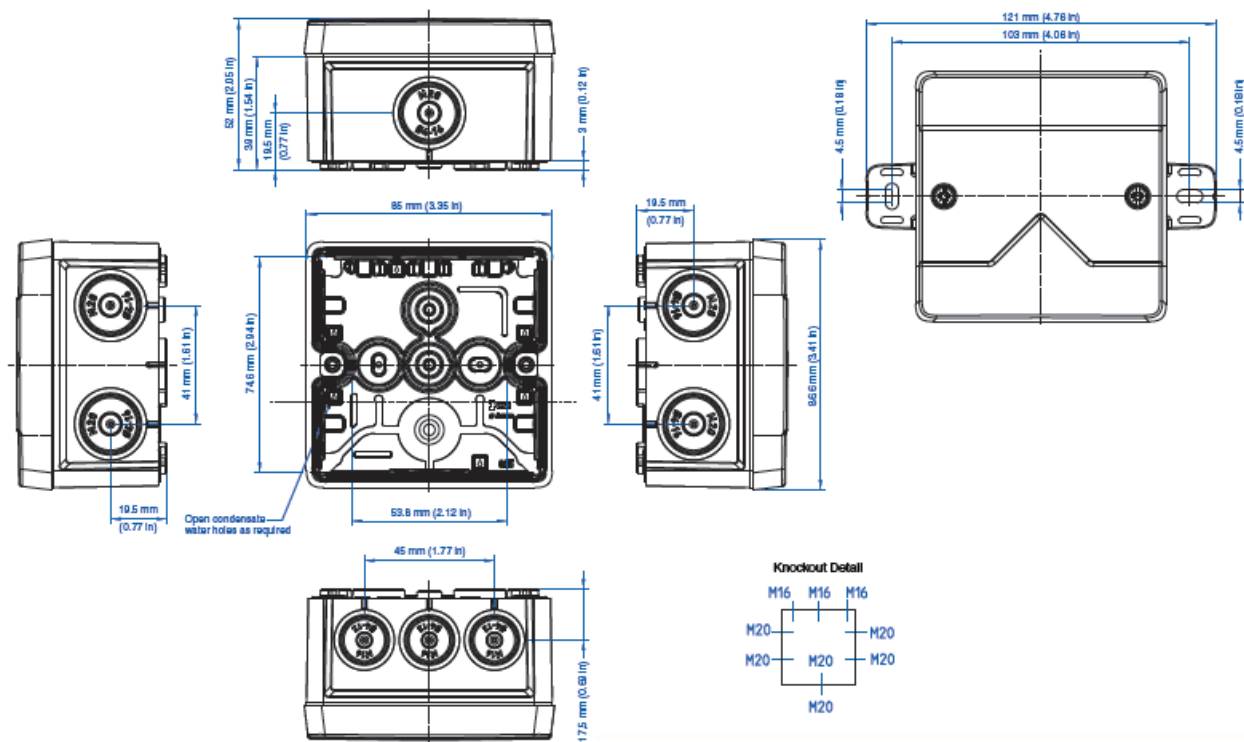


Abox

Ordering Information	Cat. No.	Color	Push-In Terminal	Length	Dimensions mm (in)	Height	Std. Pk.
Enclosure with terminals	802-421-01	gray	2.5 mm ² - 5 pole x 5	87 mm (3.43 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure - empty	802-401-01	gray	NA	87 mm (3.43 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure - empty	802-001-01	black	NA	87 mm (3.43 in)	87 mm (3.43 in)	52 mm (2.05 in)	3

Accessories

Ordering Information	Cat. No.	Type	Std. Pk.
DIN Rail TS15 - 15x61 mm	895-202-01	TS15/61	1
Pole Mount Kit (60-170mm)	896-010-01	MABF65-1	1
Terminal (base mount)	896-404-01	2.5/4 mm ² - 5 pole, 41A/690V	10



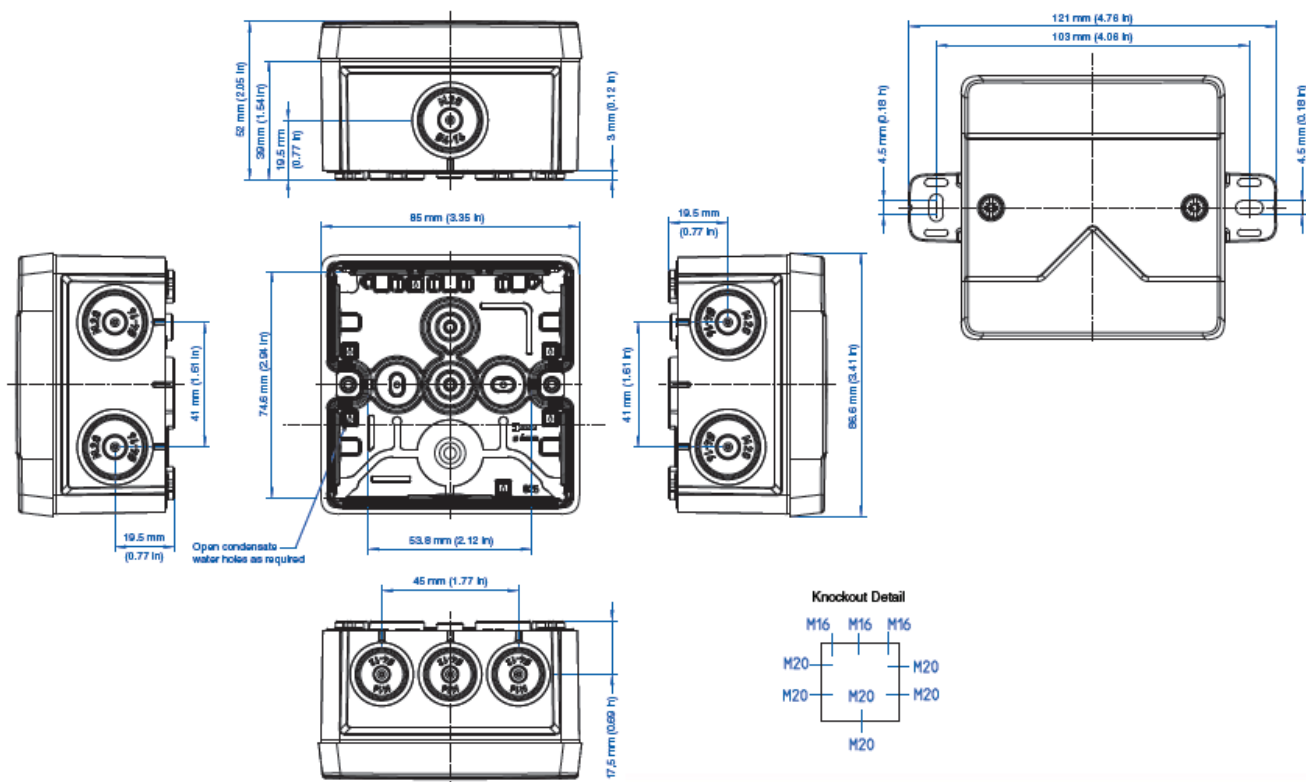


Abox

Ordering Information	Cat. No.	Color	Push-In Terminal	Length	Dimensions mm (in)	Height	Std. Pk.
Enclosure with terminals	802-421-01	gray	2.5 mm ² - 5 pole x 5	87 mm (3.43 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure - empty	802-401-01	gray	NA	87 mm (3.43 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure - empty	802-001-01	black	NA	87 mm (3.43 in)	87 mm (3.43 in)	52 mm (2.05 in)	3

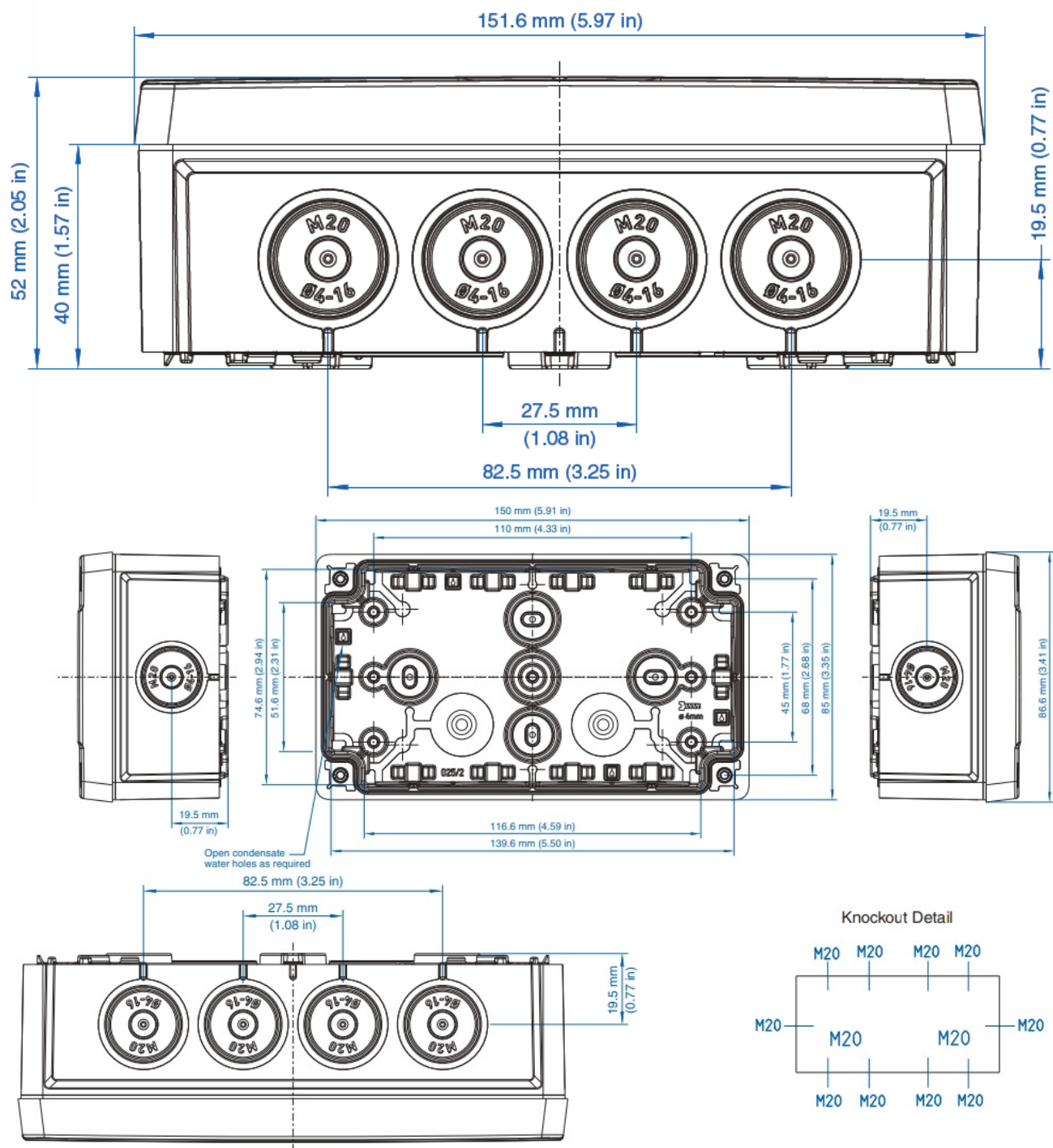
Accessories

Ordering Information	Cat. No.	Type	Std. Pk.
DIN Rail TS15 - 15x61 mm	895-202-01	TS15/61	1
Pole Mount Kit (60-170mm)	896-010-01	MABF65-1	1
Terminal (base mount)	896-404-01	2.5/4 mm ² - 5 pole, 41A/690V	10



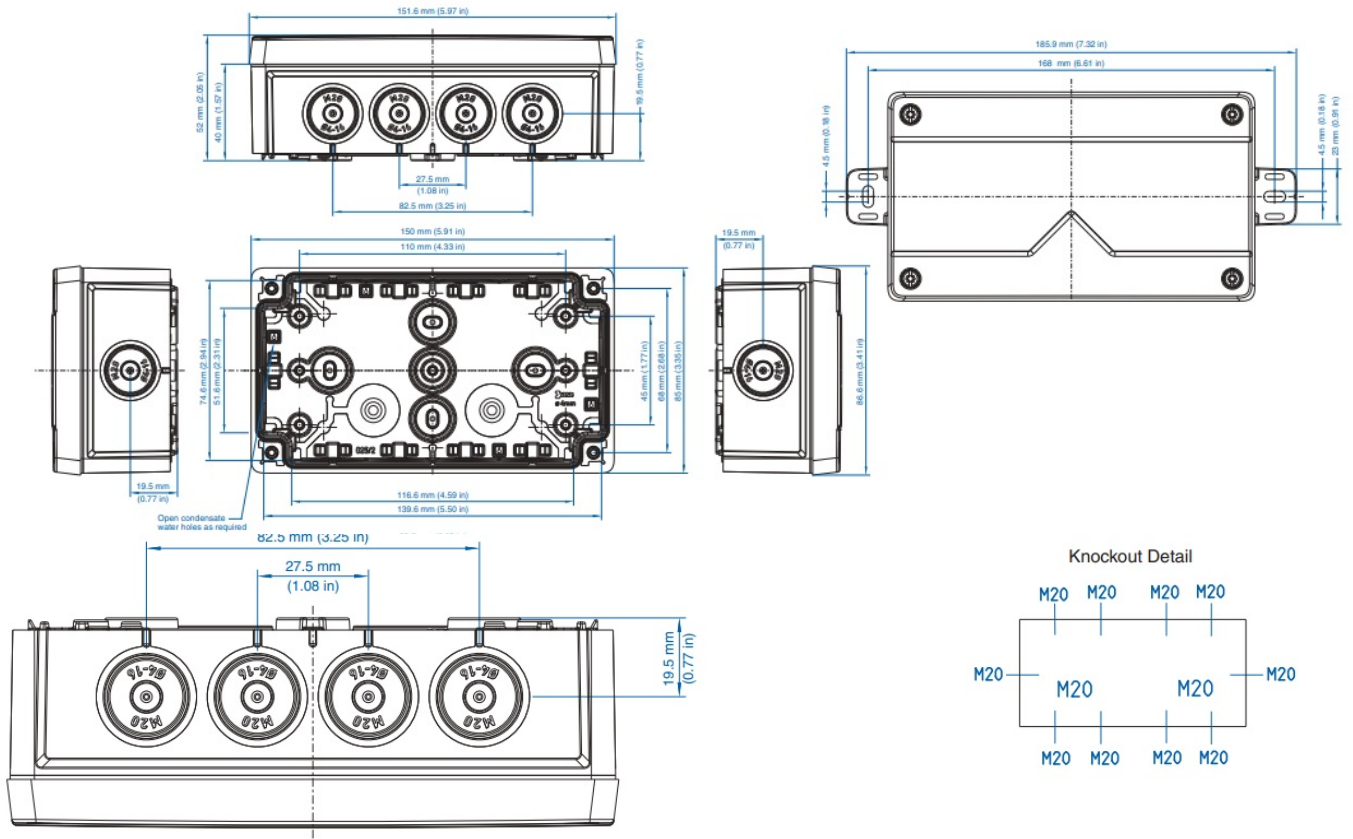


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Ordering Information	Cat. No.	Color	Push-In Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure – empty	802-402-01	gray	NA	152 mm (5.98 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure – empty	802-102-01	white	NA	152 mm (5.98 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure – empty	802-002-01	black	NA	152 mm (5.98 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Accessories							
Ordering Information		Cat. No.	Type	Std. Pk.			
DIN Rail TS15 – 15×124 mm		895-203-01	TS15/124	1			
Vertical Pole Mount Kit (60-170mm)		896-010-01	MABF65-1	1			
Transverse Pole Mount Kit (60-170mm)		896-020-01	MABF100-1	1			
Terminal (base mount)		896-404-01	2.5/4 mm ² – 5 pole	10			



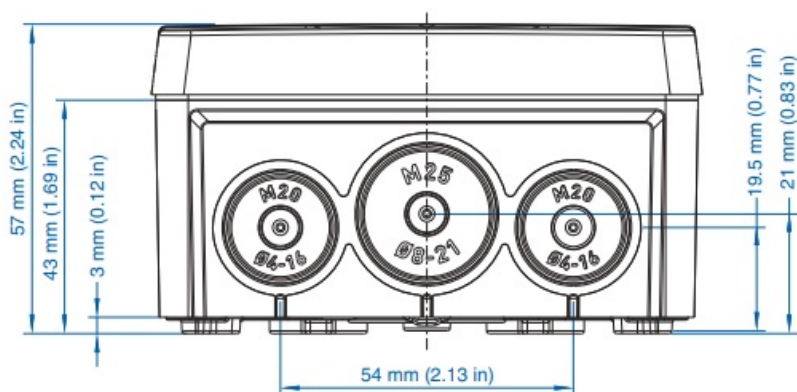


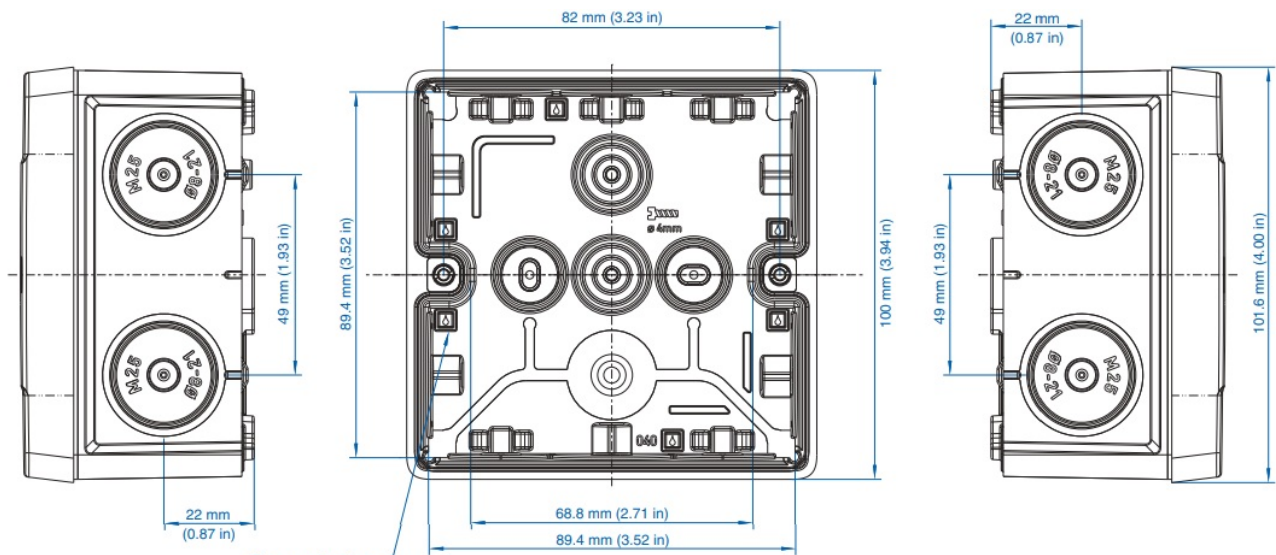
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Ordering Information	Cat. No.	Color	Push-In Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure – empty	802-403-01	gray	NA	152 mm (5.98 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Enclosure – empty	802-003-01	black	NA	152 mm (5.98 in)	87 mm (3.43 in)	52 mm (2.05 in)	3
Accessories							
Ordering Information		Cat. No.	Type	Std. Pk.			
DIN Rail TS15 – 15×124 mm		895-203-01	TS15/124	1			
Vertical Pole Mount Kit (60-170mm)		896-010-01	MABF65-1	1			
Transverse Pole Mount Kit (60-170mm)		896-020-01	MABF100-1	1			
Terminal (base mount)		896-404-01	2.5/4 mm ² – 5 pole	10			



Abox

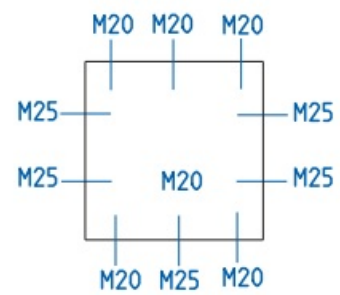
Ordering Information	Cat. No.	Color	Push-In Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	804-420-01	gray	4 mm ² – 4 pole x 5	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Enclosure with terminals	804-120-01	white	4 mm ² – 4 pole x 5	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Enclosure – empty	804-400-01	gray	NA	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Enclosure – empty	804-100-01	white	NA	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Enclosure – empty	804-000-01	black	NA	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Accessories							
Ordering Information	Cat. No.	Type	Std. Pk.				
DIN Rail TS15 – 15 x 71 mm	895-204-01	TS15/71		1			
Pole Mount Kit (60-170mm)	896-010-01	MABF65-1		1			
Terminal (base mount)	896-404-01	2.5/4 mm ² – 5 pole, 41A /690V		10			



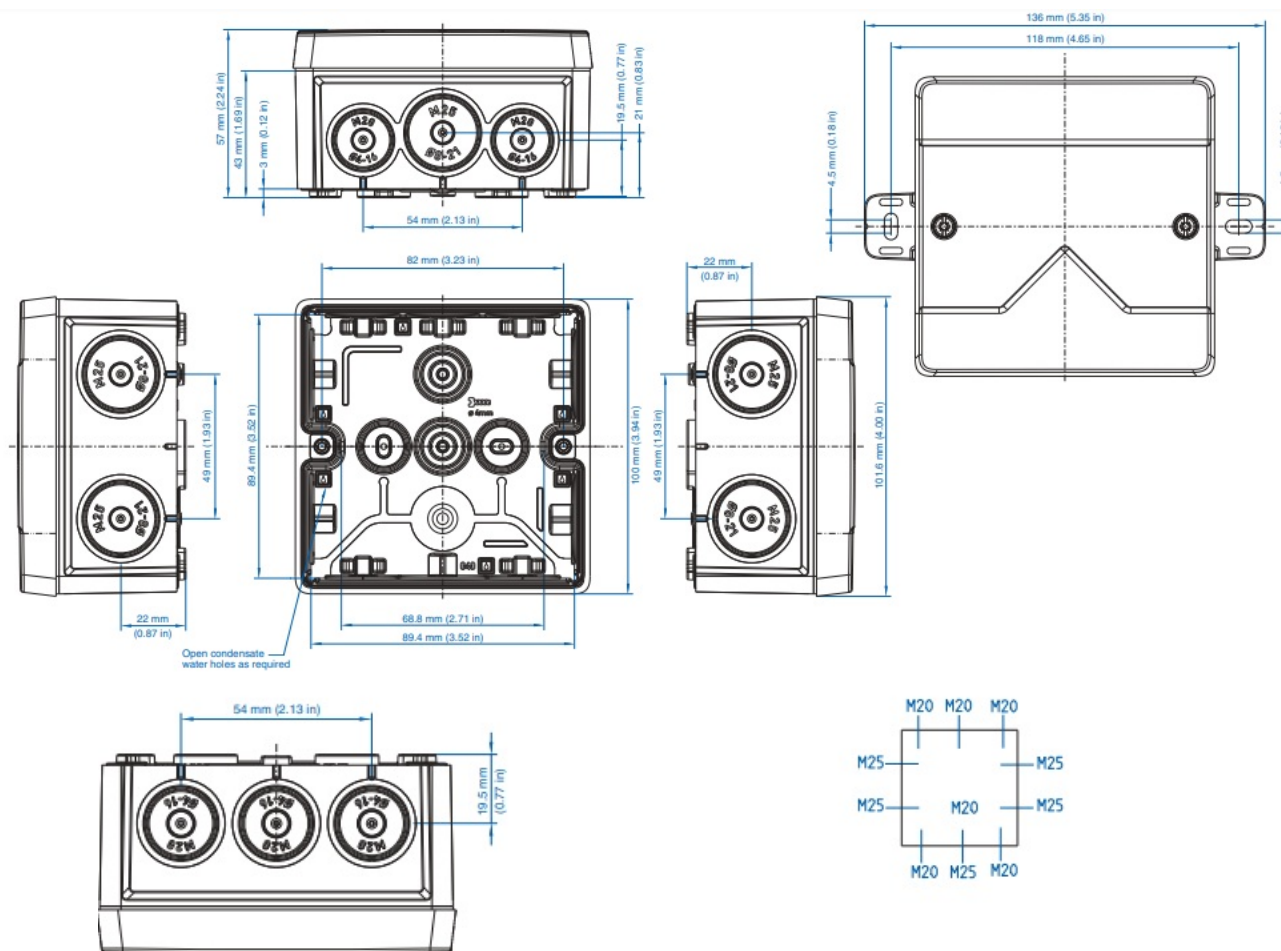


Open condensate water holes as required

Knockout Detail



Abox							
Ordering Information	Cat. No.	Color	Push-In Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	804-421-01	gray	4 mm ² – 4 pole x 5	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Enclosure – empty	804-401-01	gray	NA	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Enclosure – empty	804-001-01	black	NA	102 mm (4.02 in)	102 mm (4.02 in)	57 mm (2.24 in)	3
Accessories							
Ordering Information	Cat. No.	Type	Std. Pk.				
DIN Rail TS15 – 15 x 71 mm	895-204-01	TS15/71		1			
Pole Mount Kit (60-170mm)	896-010-01	MABF65-1		1			
Terminal (base mount)	896-404-01	2.5/4 mm ² – 5 pole, 41A /690V		10			



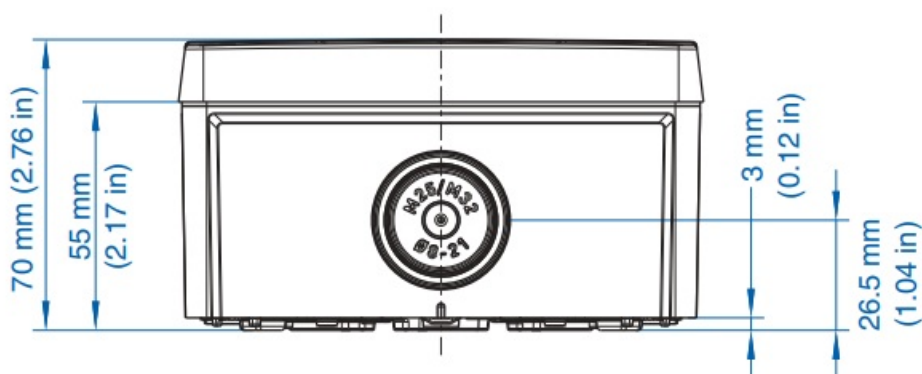


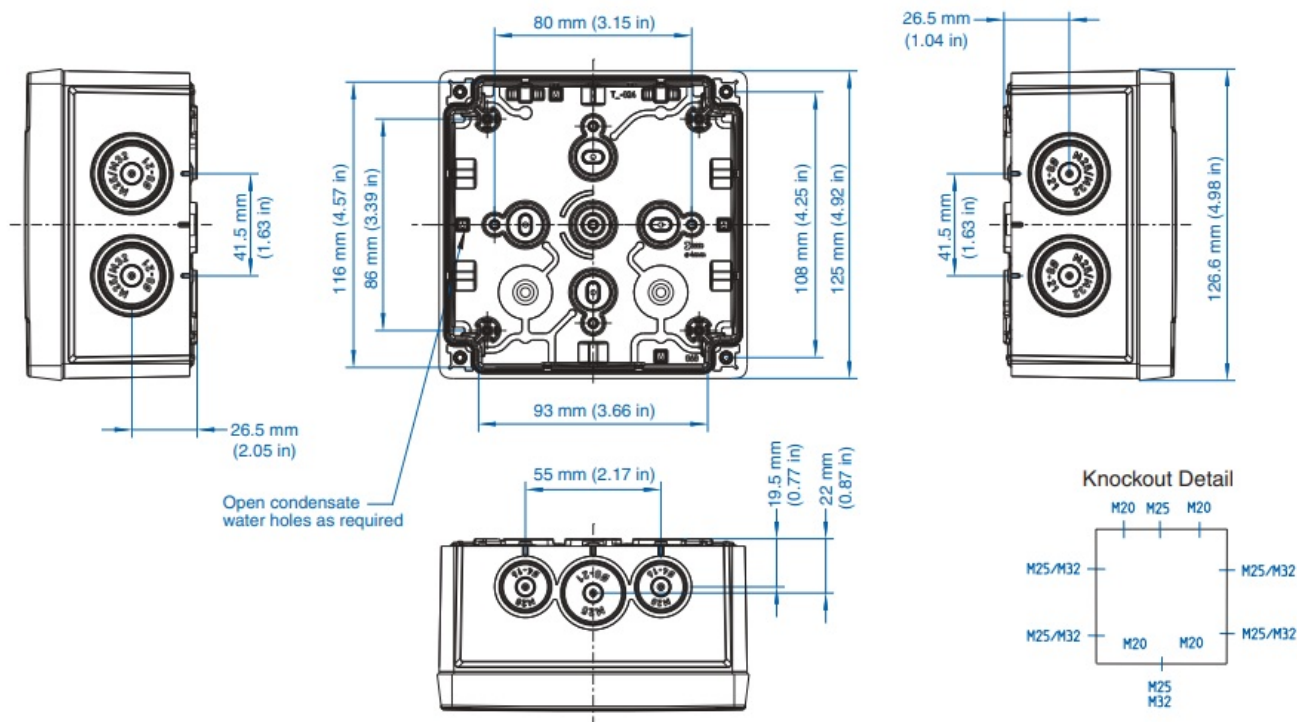
Abox

Ordering Information	Cat. No.	Color	Screw Terminal	Length	Dimensions mm (in)	Height	Std. Pk.
Enclosure with terminals	806-420-01	gray	6 mm ² - 5 pole	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Enclosure with terminals	806-120-01	white	6 mm ² - 5 pole	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Enclosure with terminals	806-020-01	black	6 mm ² - 5 pole	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Enclosure - empty	806-400-01	gray	NA	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Enclosure - empty	806-100-01	white	NA	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Enclosure - empty	806-000-01	black	NA	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2

Accessories

Ordering Information	Cat. No.	Type	Std. Pk.
Mounting Plate	895-106-01	MPI060	1
DIN Rail TS 35 - 35x95 mm	895-306-01	TS35/95	1
Terminal (high-set)	896-406-01	6 mm ² - 5 pole, 41A/690V	5
Pole Mount Kit (60-170mm)	896-020-01	MABF100-1	1



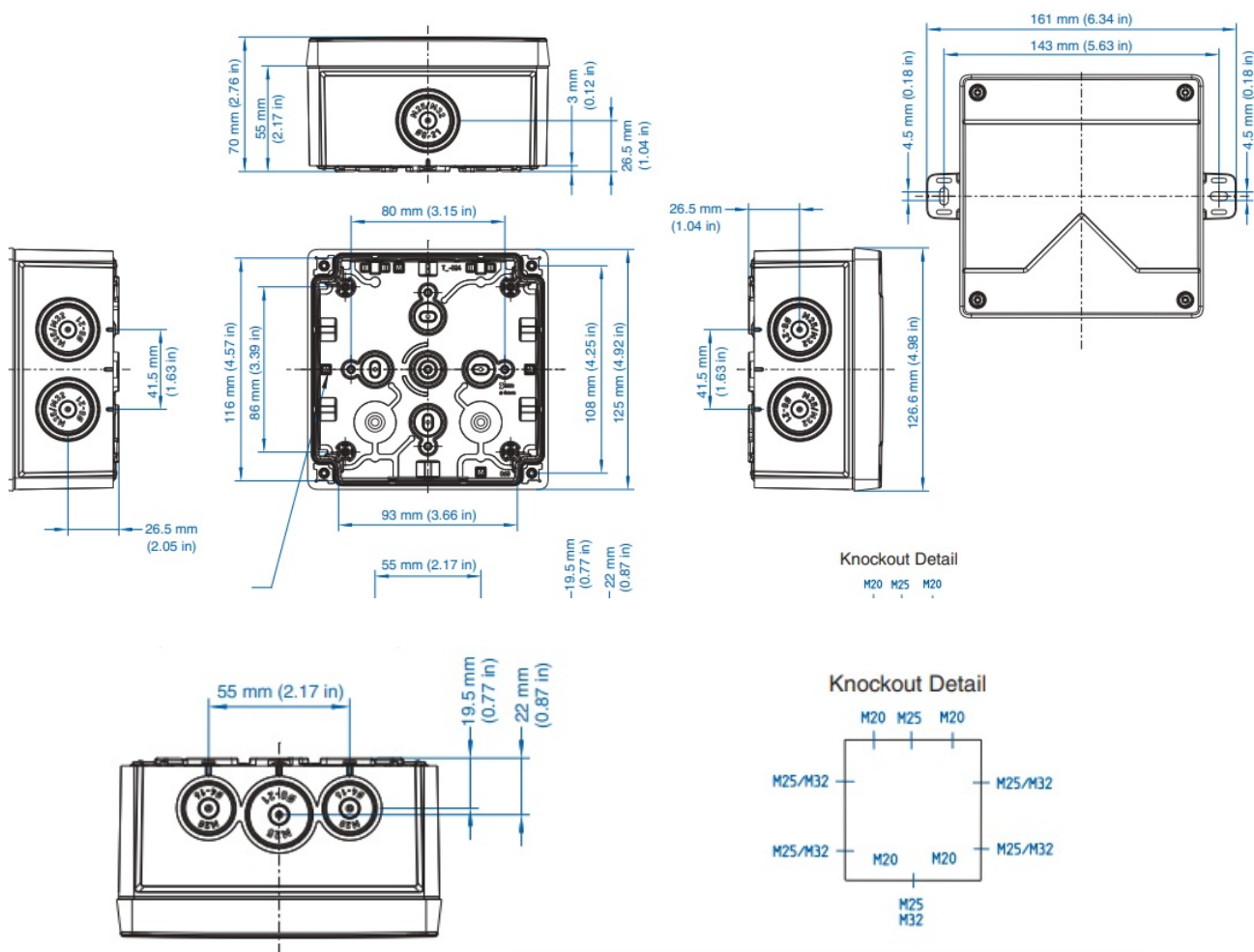


806-421-01



806-401-01

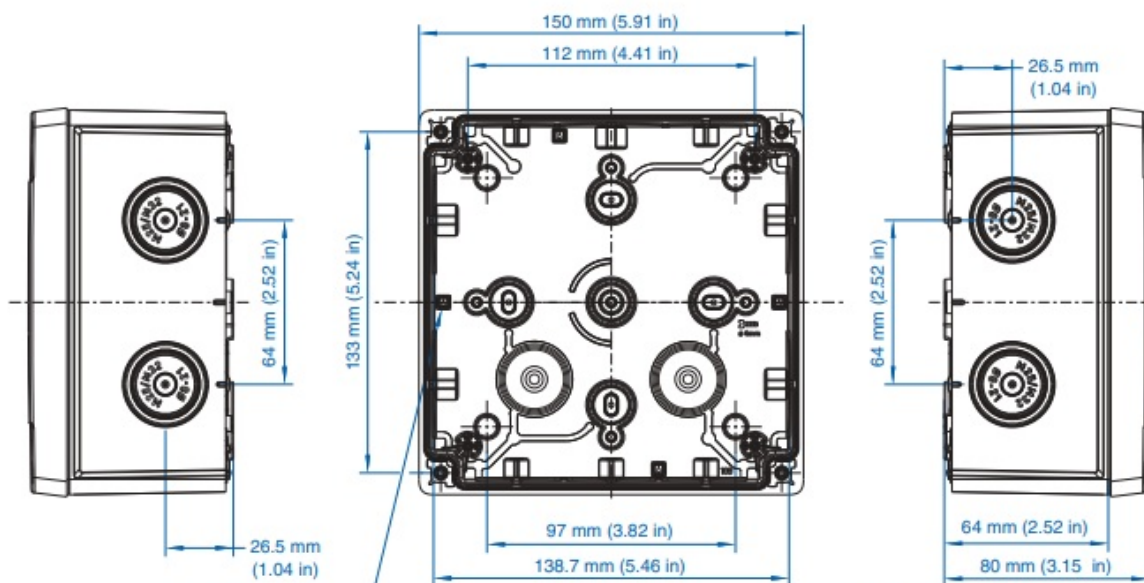
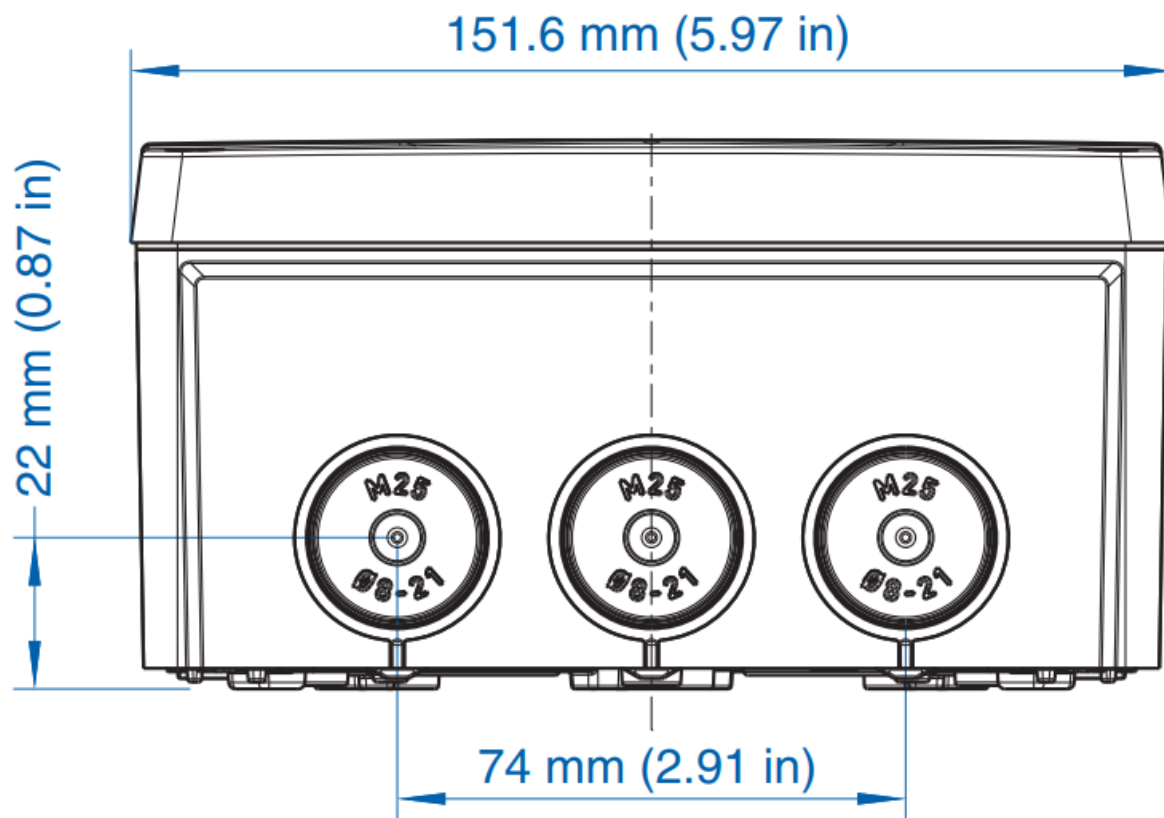
Ordering Information	Cat. No.	Color	Screw Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	806-421-01	gray	6 mm ² – 5 pole	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Enclosure – empty	806-401-01	gray	NA	127 mm (5.00 in)	127 mm (5.00 in)	70 mm (2.76 in)	2
Accessories							
Ordering Information	Cat. No.	Type		Std. Pk.			
Mounting Plate	895-106-01	MPI060		1			
DIN Rail TS 35 – 35 × 95 mm	895-306-01	TS35/95		1			
Terminal (high-set)	896-406-01	6 mm ² – 5 pole, 41A/690V		5			
Pole Mount Kit (60-170mm)	896-020-01	MABF100-1		1			



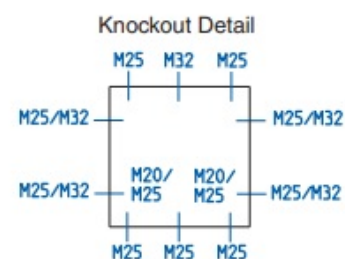
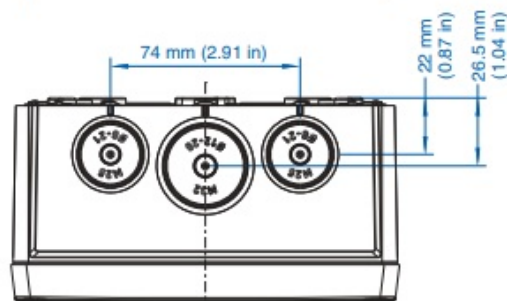


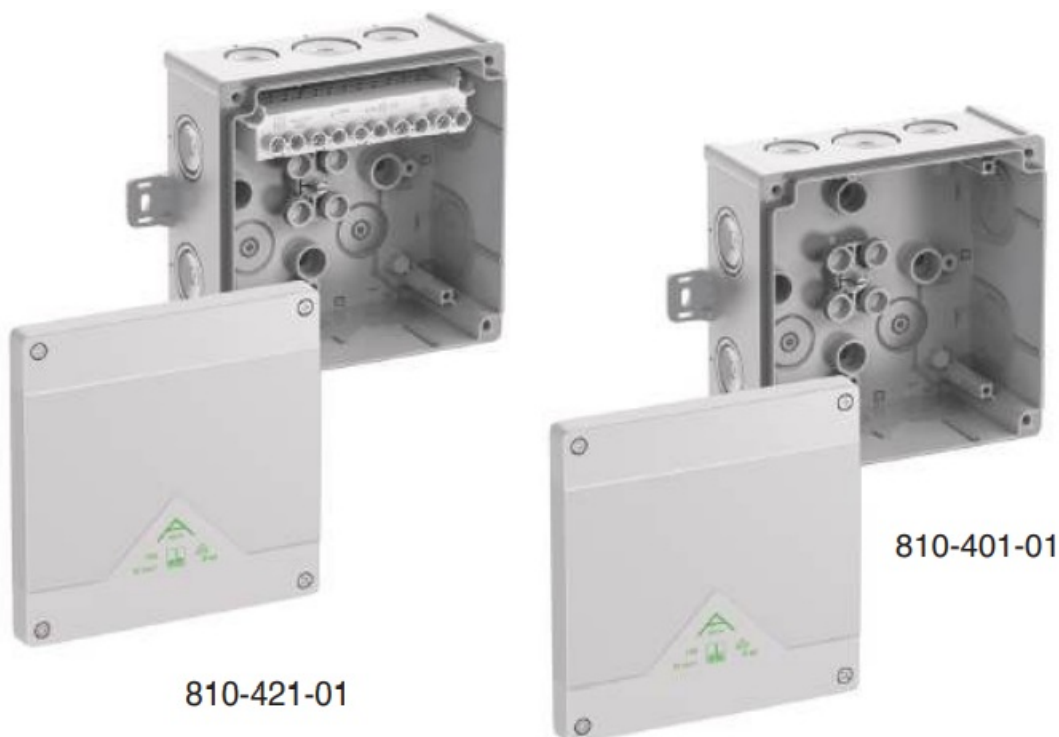
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Ordering Information	Cat. No.	Color	Screw Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	810-420-01	gray	10 mm ² – 5 pole	152 mm (5.98 in)	152 mm (5.98 in)	80 mm (3.15 in)	2
Enclosure with terminals	810-120-01	white	10 mm ² – 5 pole	152 mm (5.98 in)	152 mm (5.98 in)	80 mm (3.15 in)	2
Enclosure – empty	810-400-01	gray	NA	152 mm (5.98 in)	152 mm (5.98 in)	80 mm (3.15 in)	2
Enclosure – empty	810-100-01	white	NA	152 mm (5.98 in)	152 mm (5.98 in)	80 mm (3.15 in)	2
Accessories							
Ordering Information	Cat. No.	Type		Std. Pk.			
Mounting Plate	895-110-01	MPI100		1			
DIN Rail TS 35 – 35x120 mm	895-310-01	TS35/120		1			
Terminal (high-set)	896-410-01	10 mm ² – 5	pole, 57A/690V	5			
Pole Mount Kit (60-170mm)	896-020-01	MABF100-1		1			



Open condensate
water holes as required



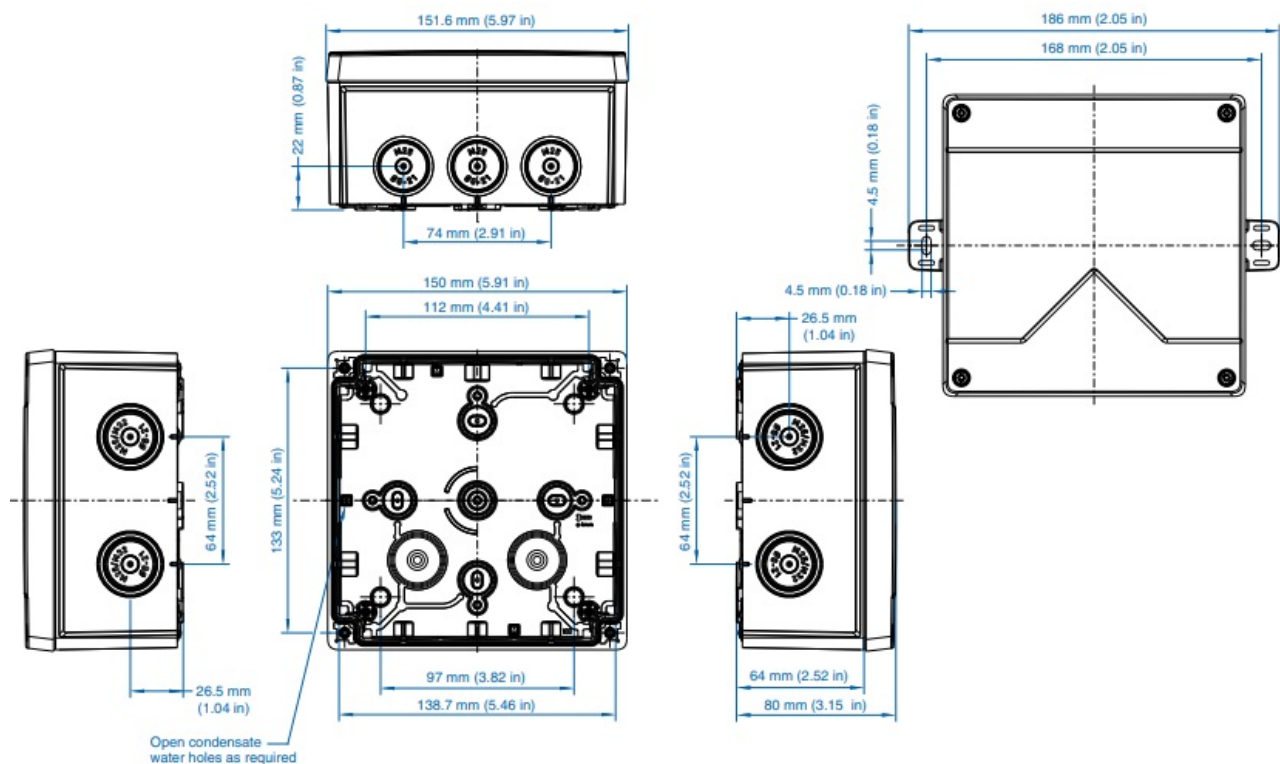


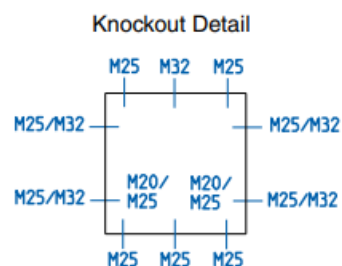
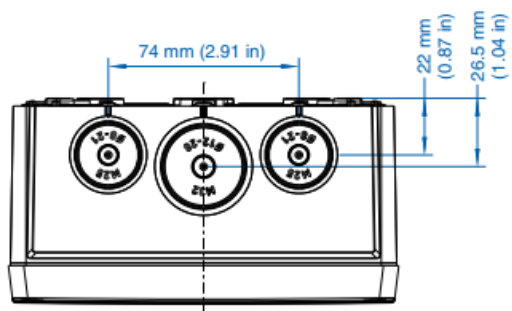
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Ordering Information	Cat. No.	Color	Screw Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	810-421-01	gray	10 mm ² - 5 pole	152 mm (5.98 in)	152 mm (5.98 in)	80 mm (3.15 in)	2
Enclosure - empty	810-401-01	gray	NA	152 mm (5.98 in)	152 mm (5.98 in)	80 mm (3.15 in)	2

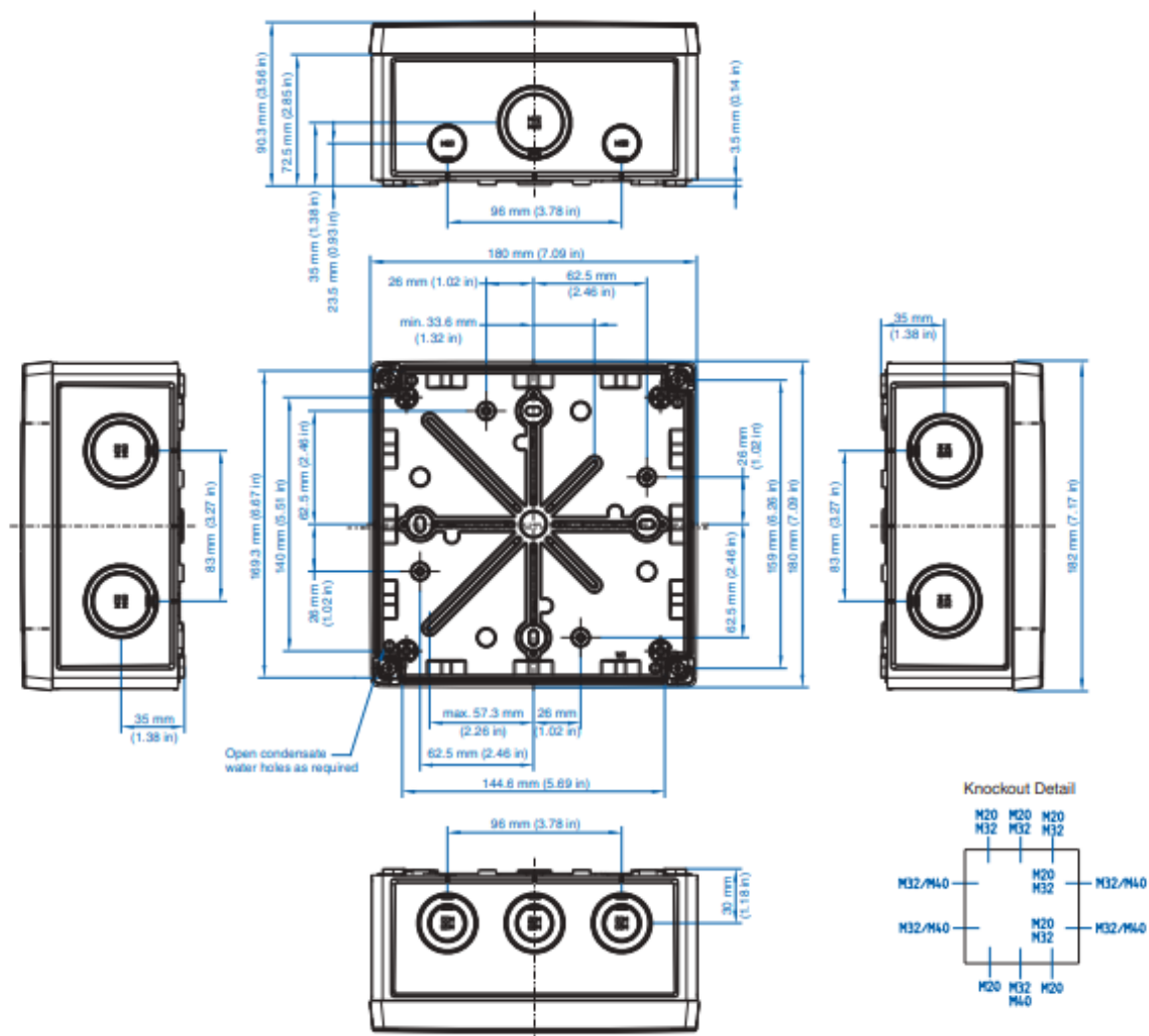
Accessories

Ordering Information	Cat. No.	Type	Std. Pk.
Mounting Plate	895-110-01	MPI100	1
DIN Rail TS 35 – 35x120 mm	895-310-01	TS35/120	1
Terminal (high-set)	896-410-01	10 mm ² - 5 pole, 57A/690V	5
Pole Mount Kit (60-170mm)	896-020-01	MABF100-1	1





Abox							
Ordering Information	Cat. No.	Color	Screw Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	816-420-01	gray	16 mm ² – 5 pole	182 mm (7.17 in)	182 mm (7.17 in)	90 mm (3.54 in)	1
Enclosure – empty	816-400-01	gray	NA	182 mm (7.17 in)	182 mm (7.17 in)	90 mm (3.54 in)	1
Accessories							
Ordering Information	Cat. No.	Type		Std. Pk.			
Mounting Plate	895-116-01	MPI160		1			
DIN Rail TS 35 – 35×137 mm	895-316-01	TS35/137		1			
Terminal (high-set)	896-416-01	16 mm ² – 5	pole, 101A/690V	2			
Pole Mount Kit (60-170mm)	896-030-01	MABF150-1		1			



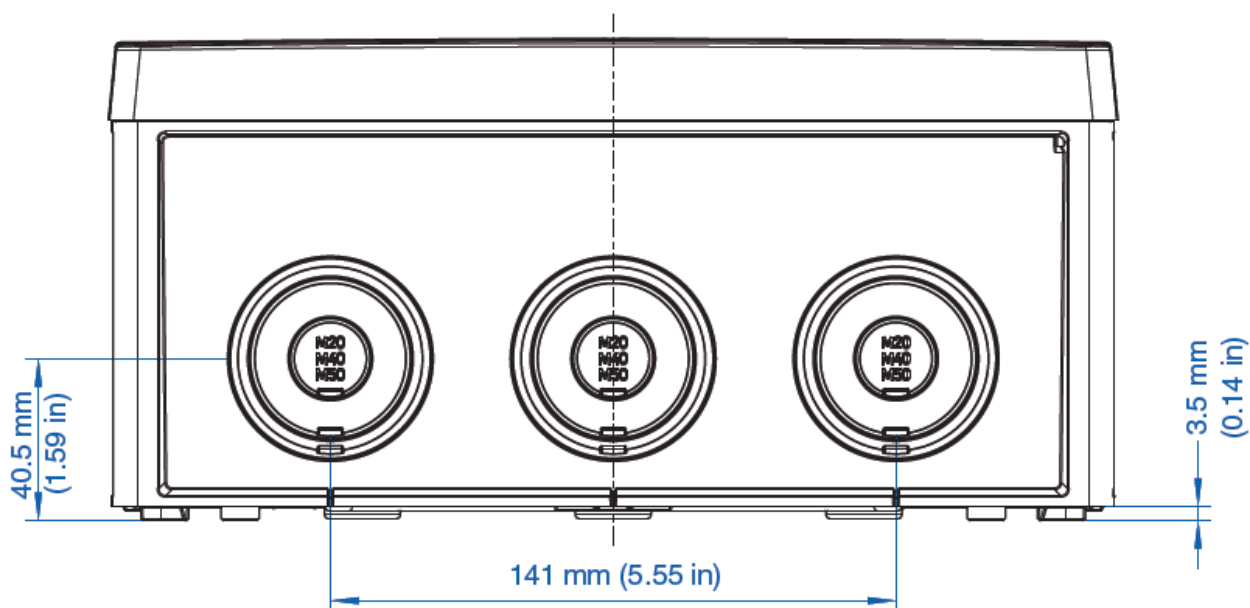
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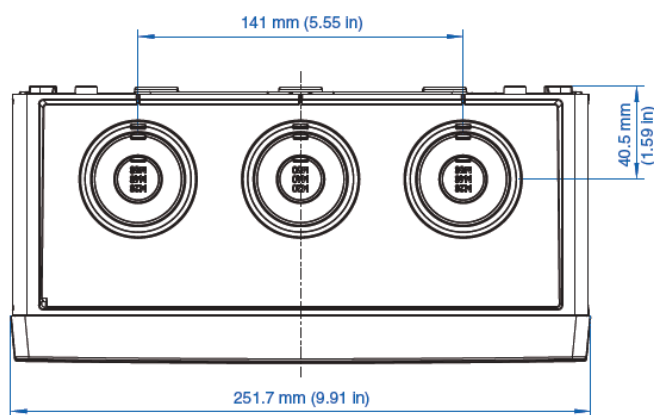
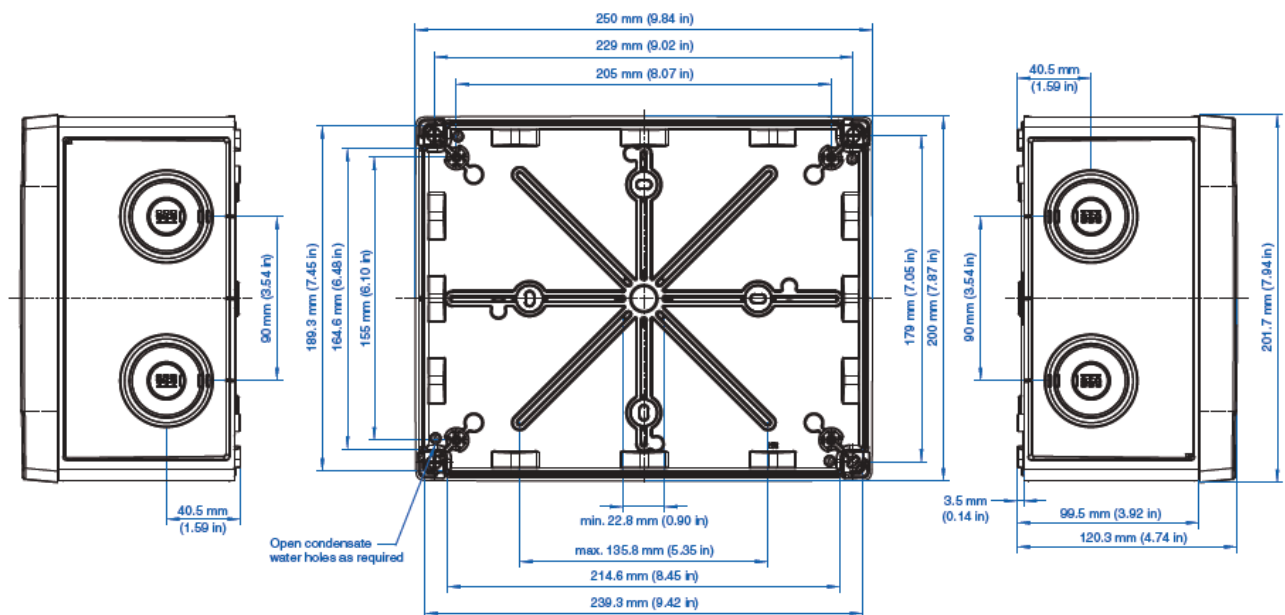


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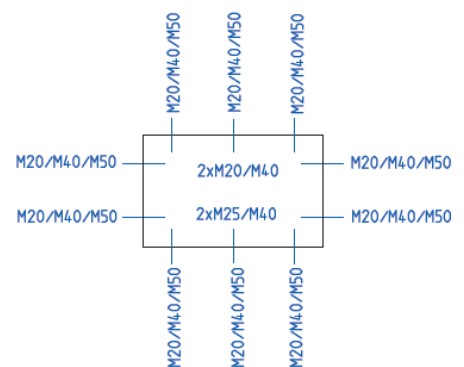
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Ordering Information	Cat. No.	Color	Screw Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	825-420-01	gray	35/25 mm ² – 5 pole	252 mm (9.92 in)	202 mm (7.95 in)	120 mm (4.72 in)	1
Enclosure – empty	825-400-01	gray	NA	252 mm (9.92 in)	202 mm (7.95 in)	120 mm (4.72 in)	1
Accessories							
Ordering Information	Cat.	No.	Type		Std. Pk.		

Mounting Plate	895-125-01	MPI250	1
DIN Rail TS 35 – 35×202 mm	895-335-01	TS35/202	1
DIN Rail TS 35 – 35×137 mm	895-316-01	TS35/137	1
Terminal (high-set)	896-435-01	35/25 mm ² – 5 pole, 125A/690V	1
Vertical Pole Mount Kit (60-170mm)	896-031-01	MABF150-2	1
Transverse Pole Mount Kit (60-170mm)	896-040-01	MABF215-1	1

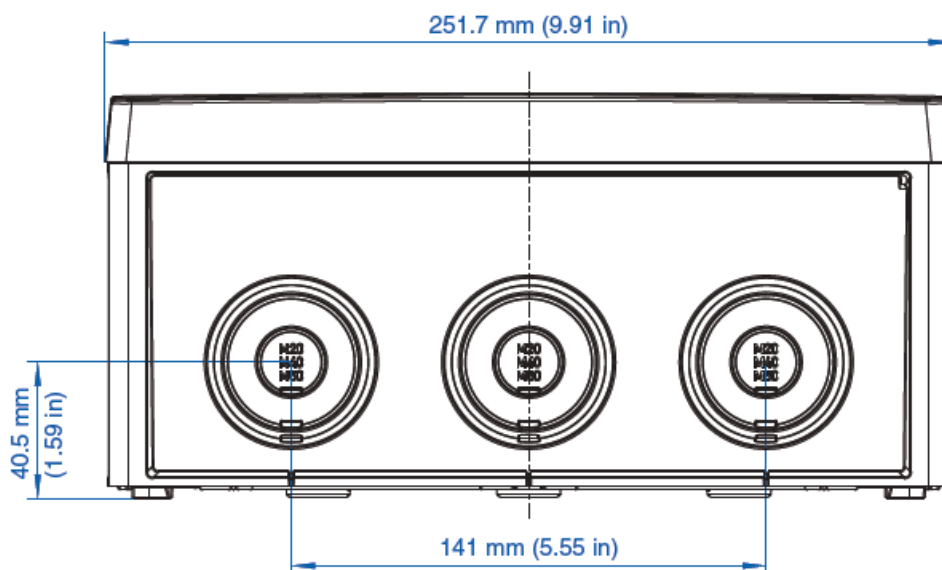




Knockout Detail



Ordering Information	Cat. No.	Color	Terminal	Length	Dimensions mm (in) Width	Height	Std. Pk.
Enclosure with terminals	835-420-01	gray	35/25 mm ² – 5 pole	252 mm (9.92 in)	252 mm (9.92 in)	120 mm (4.72 in)	1
Enclosure – empty	835-400-01	gray	NA	252 mm (9.92 in)	252 mm (9.92 in)	120 mm (4.72 in)	1
Accessories							
Ordering Information	Cat. No.	Type		Std. Pk.I			
Mounting Plate	895-135-01	MP350		1			
DIN Rail TS 35 – 35×202 mm	895-335-01	TS35/202		1			
Terminal (high-set)	896-435-01	35/25 mm ² – 5 pole, 125 A/690V		1			
Pole Mount Kit (60-170mm)	896-040-01	MABF215-1		1			



FAQ

- **Q: What accessories are available for the Abox enclosures?**

A: Accessories include DIN Rail TS15, Pole Mount Kit (60-170mm), and Terminal (base mount).

- **Q: Are the Abox enclosures suitable for outdoor use?**

A: Yes, the enclosures have an IP66 protection rating, making them suitable for indoor or protected outdoor use.

Documents / Resources

	Altech Abox Series Enclosure with Terminals [pdf] Installation Guide 2025, 2026, 2027, Abox Series Enclosure with Terminals, Abox Series, Enclosure with Terminal s, with Terminals
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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