



ECOLOGY

IP65 Surface distribution boxes

The IP65 watertight distribution enclosures are manufactured with the highest-quality halogen-free plastic materials and are available in ABS and Polycarbonate. They have ample space for wiring and a modular capacity from 4 to 54 modules. They are intended for indoor and outdoor use, where enclosures with a high degree of protection and design are required.

The design allows installation together with STAR socket boxes to create large distribution and supply boards. For both indoor and outdoor use, provided the components meet the required standards.



ECOLOGY Technical Specifications

- **Degree of protection:** IP65.
- **Resistance to impact:** IK08.
- **Glow wire resistance:**
 - ABS: 650 °C.
 - Polycarbonate: 750 °C.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.
- **Double insulation:** Class II.

ECOLOGY Certifications

Compliant with the Low Voltage Directive 2014/35/UE.
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).

ECOLOGY

IP65 distribution boxes



Product series

- Surface enclosures with a capacity of 4, 6, 8, 12, 18, 24, 36 and 54 modules with transparent window.

Material

ABS version

- Halogen-free plastic materials, with UV protection.
- Base and frame: ABS RAL 7035 grey.
- Transparent window: PC tinted window.

Polycarbonate version

- Halogen-free plastic materials, with UV protection.
- Base and frame: PC RAL 7035 grey.
- Transparent window: PC tinted window.
Recommended for outdoor use.

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film.
- TH35x7.5 symmetrical rail in enclosures with one row of modules and a compact frame in enclosures with two or more rows of modules. They are supplied assembled in all references.
- Accessory bag:
 - Hermetic caps.
 - Cover-base locking screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Assembly instructions.

Available in ABS and Polycarbonate UV-ray resistant with a transparent window



Base

- Base with double height DIN rail (from 12 modules) providing greater space on the inside for wiring and devices, and a reinforcement rib that delivers greater rigidity.
- The sides have marks to facilitate the positioning of the bushing for joining boxes.
- The top and bottom sides have knock-outs with the standard metric diameters so that they can be quickly removed with a screwdriver for cable and pipe entry. These knockouts have central pre-marks to open other required diameters.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail. It also has pre-marks to open other diameters.

Frame

- The frame has double height which gives it greater rigidity.
- The frame-base unit is closed by means of 1/4 turn captive sealable power screws. This creates a box that can be sealed at four points.
- Covered with a sealing gasket that guarantees the IP protection of the unit.

Window

- Transparent tinted windows with UV protection.
- The window is covered with a sealing gasket to guarantee the assembly's IP protection.
- Reversible 180° horizontal window opening, except CDN4G box with 90° vertical opening.
- Lock with the IDE logotype with pressure-operated opening and closing, except CDN4G. The lock can be replaced with key locks or triangular locks (inserts supplied as accessories).



DIN rail attachment

- For 1-row models, the rail is inserted into the side housing, without a screw, and is secured by means of a screw on the other side.
- For models with 2 or more rows, a detachable frame is inserted.
- Double rail and frame positioning height as of 12 modules of capacity.
- The DIN rail is attached to the base with 4x13 special screws for plastic.
- The rails are supplied assembled in the bases.

Wall-mounting

- There are two possible wall-mounting systems:
- By means of four screws, directly from the housings located at the bottom of the base provided for this purpose; these housings are covered with hermetic caps (supplied in the accessories bag, ref. 77650) to maintain the degree of protection and dielectric strength.
- Through the holes made for the purpose of securing the frame-base, by means of four screws, except CDN4G.

IP65 surface distribution boxes (ABS)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDN4G	1x4 DIN rail	177	102	105	0.3	5.0	6.2	7.5	8.7	10.0	65SG4
CDN4PT	1x4 DIN rail	231	166	113	0.7	8.9	11.1	13.3	15.5	17.8	65S04
CDN6PT	1x6 DIN rail	231	202	113	0.9	10.1	12.6	15.1	17.7	20.2	65S06
CDN8PT	1x8 DIN rail	231	238	118	1.0	11.6	14.5	17.4	20.3	23.1	65S08
CDN12PT	1x12 DIN rail	246	310	148	1.4	16.6	20.7	24.8	29.0	33.1	65S12
CDN18PT	1x18 DIN rail	286	418	148	2.0	23.1	28.9	34.7	40.4	46.2	65S18

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IP65 surface distribution boxes (Polycarbonate)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDP4PT	1x4 DIN rail	231	166	113	0.8	8.9	11.1	13.3	15.5	17.8	65S04
CDP6PT	1x6 DIN rail	231	202	113	1.0	10.1	12.6	15.1	17.7	20.2	65S06
CDP8PT	1x8 DIN rail	231	238	118	1.0	11.6	14.5	17.4	20.3	23.1	65S08
CDP12PT	1x12 DIN rail	246	310	148	1.5	16.6	20.7	24.8	29.0	33.1	65S12
CDP18PT	1x18 DIN rail	286	418	148	2.1	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 266.

HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.



**1x4 modules
CDN4G**

TOP: 1xM25



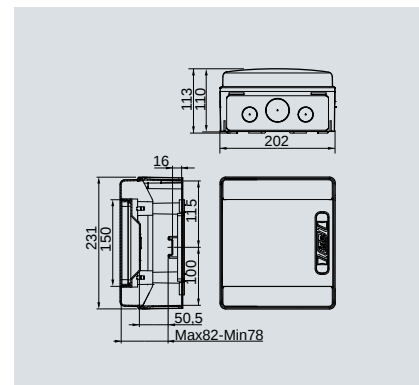
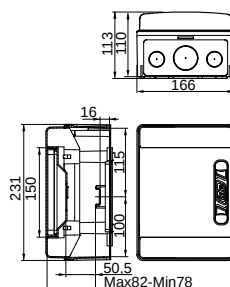
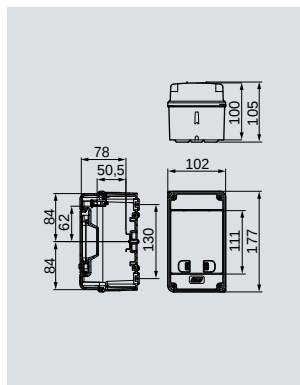
**1x4 modules
CDN4PT**

TOP: 2xM25-1xM40
BOTTOM: 2xM25-1xM40
OBLONG REAR: 2xOB25/25



**1x6 modules
CDN6PT**

TOP: 2xM25-1xM40
BOTTOM: 2xM25-1xM40
OBLONG REAR: 2xOB25/25



IP65 surface distribution boxes. With neutral and earth bars (ABS)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDN4G/R	1x4 DIN rail	177	102	105	0.5	5.0	6.2	7.5	8.7	10.0	65S4G
CDN4PT/RR	1x4 DIN rail	231	166	113	0.8	8.9	11.1	13.3	15.5	17.8	65S04
CDN6PT/RR	1x6 DIN rail	231	202	113	1.0	10.1	12.6	15.1	17.7	20.2	65S06
CDN8PT/RR	1x8 DIN rail	231	238	118	1.1	11.6	14.5	17.4	20.3	23.1	65S08
CDN12PT/RR	1x12 DIN rail	246	310	148	1.6	16.6	20.7	24.8	29.0	33.1	65S12
CDN18PT/RR	1x18 DIN rail	286	418	148	2.2	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 267.

IP65 surface distribution boxes. With neutral and earth bars (Polycarbonate)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDP4PT/RR	1x4 DIN rail	231	166	113	0.9	8.9	11.1	13.3	15.5	17.8	65S04
CDP6PT/RR	1x6 DIN rail	231	202	113	1.0	10.1	12.6	15.1	17.7	20.2	65S06
CDP8PT/RR	1x8 DIN rail	231	238	118	1.1	11.6	14.5	17.4	20.3	23.1	65S08
CDP12PT/RR	1x12 DIN rail	246	310	148	1.7	16.6	20.7	24.8	29.0	33.1	65S12
CDP18PT/RR	1x18 DIN rail	286	418	148	2.3	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 267.

HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.

/RR: With neutral and earth bars.

/R: With busbar PE or neutral.



**1x8 modules
CDN8PT**

TOP: 4xM25-1xM40
BOTTOM: 4xM25+1xM40
INT: -
OBLONG REAR: 2xOB25/25



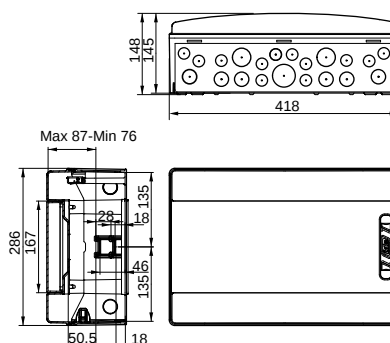
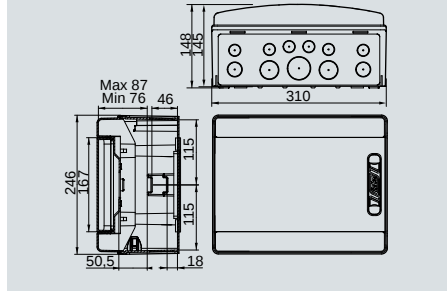
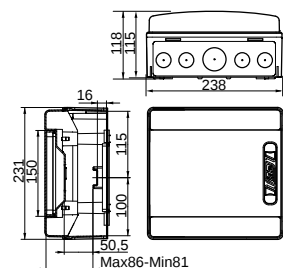
**1x12 modules
CDN12PT**

TOP: 6xM20-2xM25-2xM32-1xM40
BOTTOM: 6xM20-2xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25



**1x18 modules
CDN18PT**

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25



IP65 surface distribution boxes (ABS)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDN24PT	2x12 (24) DIN rail	436	310	148	2.4	25.9	32.3	38.8	45.3	51.7	65S24
CDN36PT2F	2x18 (36) DIN rail	436	418	148	3.1	32.1	40.1	48.1	56.1	64.1	65S36
CDN36PT3F	3x12 (36) DIN rail	586	310	148	3.1	33.2	41.5	49.8	58.1	66.5	65S36
CDN54PT	3x18 (54) DIN rail	586	418	148	4.0	41.0	51.2	61.5	71.7	82.0	65S54

IP65 surface distribution boxes (Polycarbonate)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDP24PT	2x12 (24) DIN rail	436	310	148	2.6	25.9	32.3	38.8	45.3	51.7	65S24
CDP36PT2F	2x18 (36) DIN rail	436	418	148	3.3	32.1	40.1	48.1	56.1	64.1	65S36
CDP36PT3F	3x12 (36) DIN rail	586	310	148	3.3	33.2	41.5	49.8	58.1	66.5	65S36
CDP54PT	3x18 (54) DIN rail	586	418	148	4.3	41.0	51.2	61.5	71.7	82.0	65S54

HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

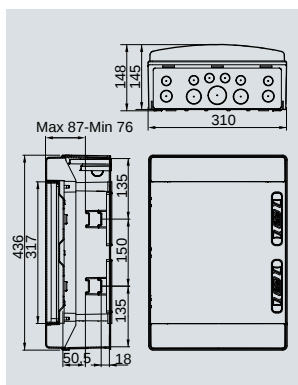
Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.



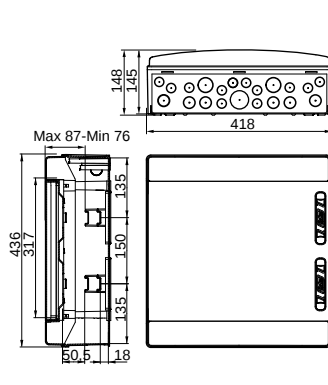
2x12 (24) modules CDN24PT

TOP: 8xM20-2xM25-2xM32-1xM40
BOTTOM: 6xM20-2xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25



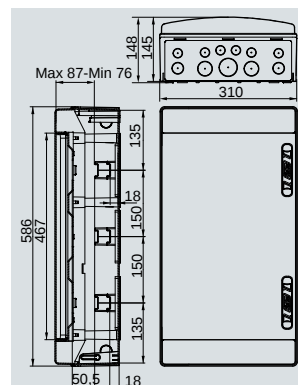
2x18 (36) modules CDN36PT2F

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25



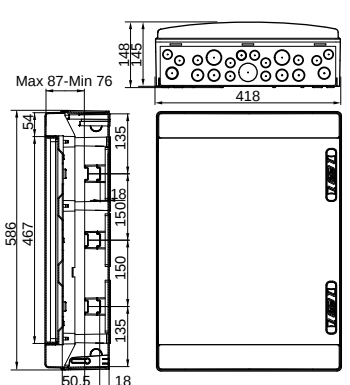
3x12 (36) modules CDN36PT3F

TOP: 8xM20-2xM25-2xM32-1xM40
BOTTOM: 6xM20-2xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25



3x18 (54) modules CDN54PT

TOP: 12xM20-6xM25-2xM32-1xM40
BOTTOM: 12xM20-6xM25-2xM32-1xM40
INT: 4xM25
OBLONG REAR: 2xOB 25/32/25



IP65 surface distribution boxes. With neutral and earth bars (ABS)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDN24PT/RR	2x12 (24) DIN rail	436	310	148	2.6	25.9	32.3	38.8	45.3	51.7	65S24
CDN36PT2F/RR	2x18 (36) DIN rail	436	418	148	3.4	32.1	40.1	48.1	56.1	64.1	65S36
CDN36PT3F/RR	3x12 (36) DIN rail	586	310	148	3.4	33.2	41.5	49.8	58.1	66.5	65S36
CDN54PT/RR	3x18 (54) DIN rail	586	418	148	4.4	41.0	51.2	61.5	71.7	82.0	65S54

IP65 surface distribution boxes. With neutral and earth bars (Polycarbonate)

Reference No.	No. of modules	Dimensions			Weight	Power dissipation according to temperature increase °C P(W)					Type
		HEIGHT	WIDTH	DEPTH		20	25	30	35	40	
CDP24PT/RR	2x12 (24) DIN rail	436	310	148	2.8	25.9	32.3	38.8	45.3	51.7	65S24
CDP36PT2F/RR	2x18 (36) DIN rail	436	418	148	3.6	32.1	40.1	48.1	56.1	64.1	65S36
CDP36PT3F/RR	3x12 (36) DIN rail	586	310	148	3.6	33.2	41.5	49.8	58.1	66.5	65S36
CDP54PT/RR	3x18 (54) DIN rail	586	418	148	4.7	41.0	51.2	61.5	71.7	82.0	65S54

HALOGEN-FREE PLASTIC MATERIALS, WITH UV PROTECTION

Ref. CDN: Frame and base in ABS RAL 7035 grey. Transparent PC tinted window.

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window.

IP65 - Surface - Sealable.

/RR: With neutral and earth bars.

Ultra-modern design and plenty of space
for wiring

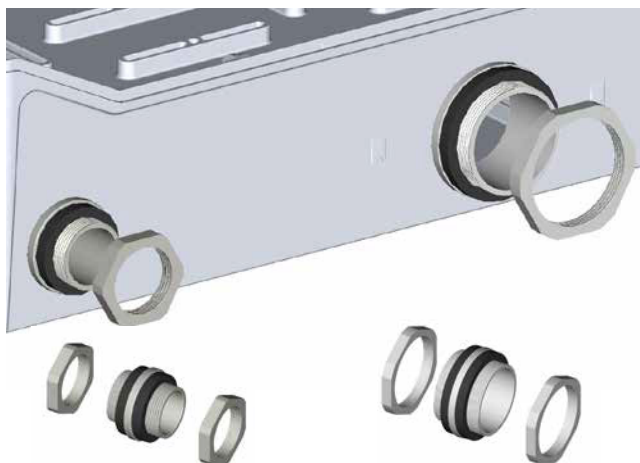
ECO-STAR SYSTEM

Ecology Series (Distribution boxes) + Star Series (Boxes for industrial sockets)

The Eco-Star system gives the possibility of joining the IP65 watertight distribution boxes (Ecology series) and IP65 boxes for industrial sockets (Star series), to create large-sized assemblies and modular capacity.

Combined with each other, they offer the installer the most versatile internationally-certified solution to combine distribution boxes and units for power sockets.

They have ample room for cables and extensive modular capacity. Intended for indoor and outdoor uses, wherever a high degree of protection and safety is required.



REF. 94273: M25 BUSHING

REF. 94274: M40 BUSHING

Join system

Joining these two models makes it possible to create large-sized power supply and distribution enclosures.

The boxes have marks on the sides for the easy installation of M25 and M40 bushings with rubber gasket to guarantee IP65 protection. They can be joined both vertically and horizontally.

The use of two M25 cable glands or a combination of an M25 cable gland and an M40 cable gland is recommended when more space is needed to run the cables.

Different joining possibilities and combinations



CDN24PT+CSN12PT



CSN12PT+PCSNPLUS



PCSN12PT+PCSN6PT

STAR + Additional module



Reference No.	No. of modules	Weight	Components	
			References	
		kg		
CSN12PT/PLUS	1x12 DIN rail + Additional	3.0	CSN12PT	CSNPLUS

HALOGEN-FREE PLASTIC MATERIALS

FINISH: Grey RAL 7035 with transparent window.

DIMENSIONS: 436x452x147 mm.

IP65 - Surface.



Reference No.	No. of modules	Weight	Components	
			References	
		kg		
CSN18PT/PLUS	1x18 DIN rail + Additional	3.6	CSN18PT	CSNPLUS

HALOGEN-FREE PLASTIC MATERIALS

FINISH: Grey RAL 7035 with transparent window.

DIMENSIONS: 436x560x147 mm.

IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References		No. of lids
		kg			
PCSN12PT/PLUS	1x12 DIN rail + Additional	3.3	PCSN12PT	PCSNPLUS	15

HALOGEN-FREE PLASTIC MATERIALS

FINISH: Grey RAL 7035 with transparent window.

DIMENSIONS: 436x452x147 mm.

IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References		No. of lids
		kg			
PCSN18PT/PLUS	1x18 DIN rail + Additional	4.0	PCSN18PT	PCSNPLUS	20

HALOGEN-FREE PLASTIC MATERIALS

FINISH: Grey RAL 7035 with transparent window.

DIMENSIONS: 436x560x147 mm.

IP65 - Surface.

ECOLOGY + Additional module



Reference No.	No. of modules	Weight	Components		
			References		No. of lids
		kg			
CDN24PT/PLUS	2x12 [24] DIN rail + Additional	3.5	CDN24PT	PCSNPLUS	5

HALOGEN-FREE PLASTIC MATERIALS

FINISH: Grey RAL 7035 with transparent window.

DIMENSIONS: 436x452x147 mm.

IP65 - Surface.



Reference No.	No. of modules	Weight	Components		
			References	No. of lids	
		kg			
CDN36PT2F/PLUS	2x18 [36] DIN rail + Additional	4.2	CDN36PT2F	PCSNPLUS	5

HALOGEN-FREE PLASTIC MATERIALS

FINISH: Grey RAL 7035 with transparent window.

DIMENSIONS: 436x560x147 mm.

IP65 - Surface.

The boxes are supplied disassembled. Mounting accessories are included.

The logo consists of the word "CHINT" in white, bold, sans-serif capital letters. A small red square is positioned above the letter "H". The text is set against a solid blue rectangular background.

Empower the World



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