

# 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.
- **Ball pressure test:** 70 °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).

Intended for industrial and outdoor facilities where a high degree of protection and safety is required

# ECOLOGY

## IP65 distribution boxes



### Product series

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- Surface enclosures with a capacity of 3, 4, 6, 8, 12, 18, 24, 36 and 54 modules with transparent window.

### Material

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#### ABS version

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

#### Polycarbonate version

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

### Supply

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- 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 with a UV ray-resistant transparent window



## Base

- Base with double height providing greater space on the inside for wiring and devices, and a reinforcement rib that delivers greater rigidity.
- The top and bottom parts have cut-outs for the entry of M40, M32, M25 and M20 metric cables.
- The base has supports for fixing the neutral and earth bars, as well as DIN rail housings and slots on the bottom to secure the mounting plates, rails, bars, etc.

## Frame

- The frame has double height which gives it greater rigidity.
- The frame-base unit is closed by means of ¼-turn captive plastic 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.
- New-lock lock with the IDE logotype with pressure-operated opening and closing. 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.

# ECOLOGY

## IP65 Distribution boxes

### IP65 surface distribution boxes (ABS)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
<b>CT3G</b>	1x3 DIN rail	174x84x111	0.39	4.8	6.0	7.2	8.4	9.6	65SP3
<b>CT4G</b>	1x4 DIN rail	174x101x111	0.45	5.3	6.6	7.9	9.2	10.5	65SP4
<b>CDN4PT</b>	1x4 DIN rail	231x166x113	0.75	8.9	11.1	13.3	15.5	17.8	65S04
<b>CDN6PT</b>	1x6 DIN rail	231x202x113	0.84	10.1	12.6	15.1	17.7	20.2	65S06
<b>CDN8PT</b>	1x8 DIN rail	231x238x118	0.95	11.6	14.5	17.4	20.3	23.1	65S08
<b>CDN12PT</b>	1x12 DIN rail	246x310x148	1.40	16.6	20.7	24.8	29.0	33.1	65S12
<b>CDN18PT</b>	1x18 DIN rail	286x418x148	1.97	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 242.

### IP65 surface distribution boxes (Polycarbonate)

Reference No.	No. of modules	Dimensions	Weight	Power dissipation according to temperature increase °C P(W)*					Type
				20	25	30	35	40	
<b>CDP4PT</b>	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
<b>CDP6PT</b>	1x6 DIN rail	231x202x113	0.83	10.1	12.6	15.1	17.7	20.2	65S06
<b>CDP8PT</b>	1x8 DIN rail	231x238x118	0.96	11.6	14.5	17.4	20.3	23.1	65S08
<b>CDP12PT</b>	1x12 DIN rail	246x310x148	1.51	16.6	20.7	24.8	29.0	33.1	65S12
<b>CDP18PT</b>	1x18 DIN rail	286x418x148	2.03	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 242.

#### HALOGEN-FREE PLASTIC MATERIALS

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

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface - Sealable.

\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**1x3 modules  
CT3G**

TOP: 1xM25  
BOTTOM: 1xM25



**1x4 modules  
CT4G**

TOP: 1xM25  
BOTTOM: 1xM25



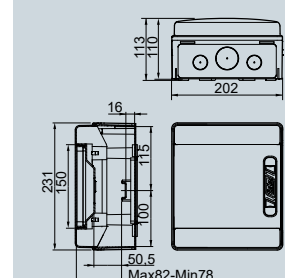
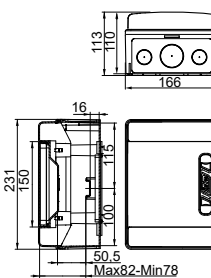
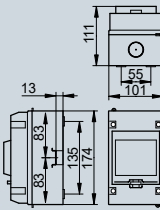
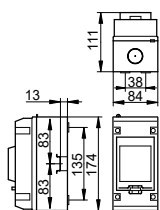
**1x4 modules  
CDN4PT**

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 X WIDTH X DEPTH	KG	20	25	30	
CDN4PT/RR	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
CDN6PT/RR	1x6 DIN rail	231x202x113	0.91	10.1	12.6	15.1	17.7	20.2	65S06
CDN8PT/RR	1x8 DIN rail	231x238x118	1.05	11.6	14.5	17.4	20.3	23.1	65S08
CDN12PT/RR	1x12 DIN rail	246x310x148	1.55	16.6	20.7	24.8	29.0	33.1	65S12
CDN18PT/RR	1x18 DIN rail	286x418x148	2.08	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 243.

## 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 X WIDTH X DEPTH	KG	20	25	30	
CDP4PT/RR	1x4 DIN rail	231x166x113	0.81	8.9	11.1	13.3	15.5	17.8	65S04
CDP6PT/RR	1x6 DIN rail	231x202x113	0.91	10.1	12.6	15.1	17.7	20.2	65S06
CDP8PT/RR	1x8 DIN rail	231x238x118	1.05	11.6	14.5	17.4	20.3	23.1	65S08
CDP12PT/RR	1x12 DIN rail	246x310x148	1.60	16.6	20.7	24.8	29.0	33.1	65S12
CDP18PT/RR	1x18 DIN rail	286x418x148	2.20	23.1	28.9	34.7	40.4	46.2	65S18

CONTINUED ON PAGE 243.

### HALOGEN-FREE PLASTIC MATERIALS

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

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface - Sealable.

/RR: With neutral and earth bars.

\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



**1x8 modules  
CDN8PT**

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



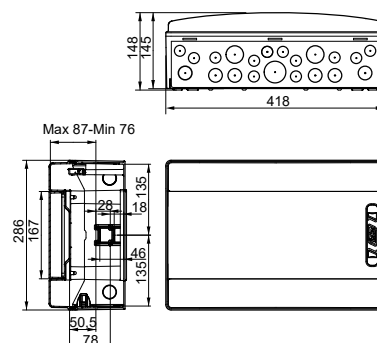
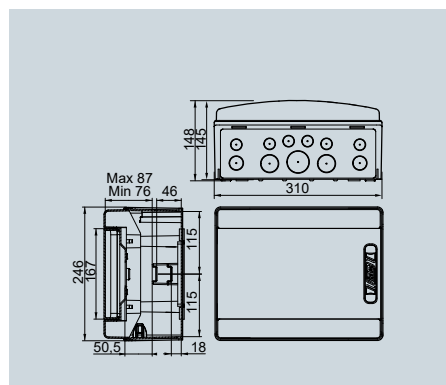
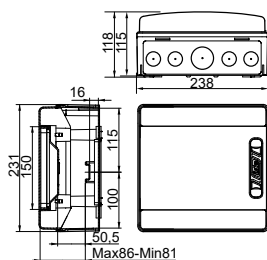
**1x12 modules  
CDN12PT**

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



# ECOLOGY

## IP65 distribution boxes

### 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	KG	20	
<b>CDN24PT</b>	2x12 (24) DIN rail	436x310x148	2.51	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDN36PT2F</b>	2x18 (36) DIN rail	436x418x148	3.03	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDN36PT3F</b>	3x12 (36) DIN rail	586x310x148	3.21	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDN54PT</b>	3x18 (54) DIN rail	586x418x148	3.97	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	KG	20	
<b>CDP24PT</b>	2x12 (24) DIN rail	436x310x148	2.51	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDP36PT2F</b>	2x18 (36) DIN rail	436x418x148	3.41	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDP36PT3F</b>	3x12 (36) DIN rail	586x310x148	3.59	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDP54PT</b>	3x18 (54) DIN rail	586x418x148	4.07	41.0	51.2	61.5	71.7	82.0	65S54

#### HALOGEN-FREE PLASTIC MATERIALS

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Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface - Sealable.

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#### 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

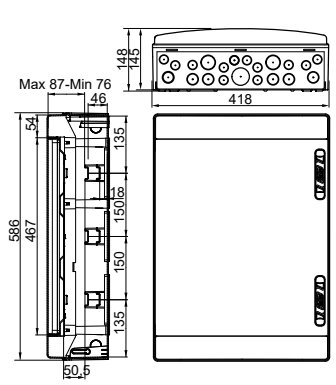
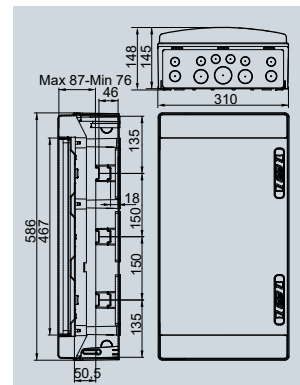
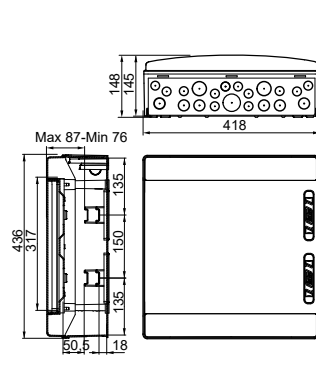
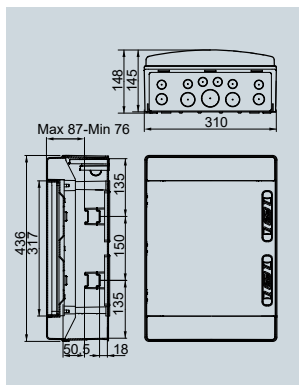
TOP: 12xM20-6xM25-2xM32-1xM40  
BOTTOM: 12xM20-6xM25-2xM32-1xM40  
INT.: 4xM25  
OBLONG REAR: 2xOB 25/32/25

#### 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
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
<b>CDN24PT/RR</b>	2x12 (24) DIN rail	436x310x148	2.54	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDN36PT2F/RR</b>	2x18 (36) DIN rail	436x418x148	3.28	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDN36PT3F/RR</b>	3x12 (36) DIN rail	586x310x148	3.36	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDN54PT/RR</b>	3x18 (54) DIN rail	586x418x148	4.29	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
				HEIGHTXWIDTHXDEPTH	KG	20	25	30	
<b>CDP24PT/RR</b>	2x12 (24) DIN rail	436x310x148	2.77	25.9	32.3	38.8	45.3	51.7	65S24
<b>CDP36PT2F/RR</b>	2x18 (36) DIN rail	436x418x148	3.56	32.1	40.1	48.1	56.1	64.1	65S36
<b>CDP36PT3F/RR</b>	3x12 (36) DIN rail	586x310x148	3.74	33.2	41.5	49.8	58.1	66.5	65S36
<b>CDP54PT/RR</b>	3x18 (54) DIN rail	586x418x148	4.67	41.0	51.2	61.5	71.7	82.0	65S54

### HALOGEN-FREE PLASTIC MATERIALS

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

Ref. CDP: Frame and base in PC RAL 7035 grey. Transparent PC tinted window, with UV protection.

IP65 - Surface - Sealable.

/RR: With neutral and earth bars.

\* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

Ultra-modern design and plenty of space for wiring



# ECOLOGY

## IP65 distribution boxes

### ECOLOGY Accessories



NEUTRAL AND EARTH BAR SUPPORT.

SECURITY KEY FOR WINDOW OR TRIANGLE KEY.

BUSHING FOR JOINING BOXES.

CABLE GLAND AND CABLE GLAND NUT.

MODULE COVER.

FRAME-BASE HINGES.

### Neutral and earth bar structure

Ref. No.	Terminal I		Terminal II		Cable section	
	N	E	N	E	NEUTRAL	EARTH
<b>22000</b>	4+1	4+1	-	-	1x(16-35 mm <sup>2</sup> )+2x(2.5-6 mm <sup>2</sup> )+2x(4-10 mm <sup>2</sup> )	1x(16-35 mm <sup>2</sup> )+2x(2.5-6 mm <sup>2</sup> )+2x(4-10 mm <sup>2</sup> )
<b>22001</b>	8+1	8+1	-	-	5x(2.5-6 mm <sup>2</sup> )+3x(4-10 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	5x(2.5-6 mm <sup>2</sup> )+3x(4-10 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
<b>22002</b>	12+2	12+2	-	-	6x(2.5-6 mm <sup>2</sup> )+6x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	6x(2.5-6 mm <sup>2</sup> )+6x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
<b>22003</b>	16+2	16+2	-	-	8x(2.5-6 mm <sup>2</sup> )+8x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	8x(2.5-6 mm <sup>2</sup> )+8x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
<b>22004</b>	24+2	8+2	-	24+2	12x(2.5-6 mm <sup>2</sup> )+12x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )	12x(2.5-6 mm <sup>2</sup> )+12x(4-10 mm <sup>2</sup> )+1x(10-25 mm <sup>2</sup> )+1x(16-35 mm <sup>2</sup> )
<b>22005</b>	32+4	-	-	32+4	16x(2.5-6 mm <sup>2</sup> )+16x(4-10 mm <sup>2</sup> )+2x(10-25 mm <sup>2</sup> )+2x(16-35 mm <sup>2</sup> )	16x(2.5-6 mm <sup>2</sup> )+16x(4-10 mm <sup>2</sup> )+2x(10-25 mm <sup>2</sup> )+2x(16-35 mm <sup>2</sup> )

### Neutral and earth bars

In some markets, the technical regulations governing installation require neutral and earth conductors to be connected to a common busbar. The base of these boxes has specific supports for this purpose. The neutral and earth bars are inserted into a side housing, without a screw, and are secured by means of a screw on the other side.

They may be supplied as an accessory or they can be supplied already assembled by ordering the /RR references.



## ECOLOGY Accessories

Miscellaneous	Ref.
Interior frame-base hinge (24-36-54 mod.) (2 pieces)	<b>77020</b>
Window hinge	<b>22012</b>
Grey module cover (6 modules)	<b>77590</b>
Hermetic caps	<b>77650</b>
M20 membrane cap	<b>92589</b>
M25 membrane cap	<b>92590</b>
M32 membrane cap	<b>92591</b>
Bag of membrane caps (1xM20-M25-M32)	<b>92592</b>
4x13 screw for bar support	<b>92611</b>

Locks	Ref.
Standard lock	<b>22010</b>
Security lock with key	<b>92150</b>
Triangle lock (2 pieces) + key (1 piece)	<b>92000</b>

Neutral and earth bars	Ref.
Support + neutral and earth bar (4+1 entries)	<b>22000</b>
Support + neutral and earth bar (8+1 entries)	<b>22001</b>
Support + neutral and earth bar (12+2 entries)	<b>22002</b>
Support + neutral and earth bar (16+2 entries)	<b>22003</b>
Support + neutral and earth bar (24+2 entries)	<b>22004</b>
Support + neutral and earth bar (32+4 entries)	<b>22005</b>

Transparent windows	Ref.
4 modules	<b>86400</b>
6 modules	<b>86410</b>
8 modules	<b>86420</b>
12 modules	<b>86430</b>
18 modules	<b>86520</b>
24 modules	<b>86440</b>
36 modules (2 rows)	<b>86450</b>
36 modules (3 rows)	<b>86460</b>
54 modules	<b>86470</b>

Bushings and cable glands	Ref.
M25 bushing	<b>94273</b>
M40 bushing	<b>94274</b>
M25 cable gland	<b>92580</b>
M32 cable gland	<b>92582</b>
M40 cable gland	<b>92584</b>
M25 cable gland nut	<b>92581</b>
M32 cable gland nut	<b>92583</b>
M40 cable gland nut	<b>92585</b>