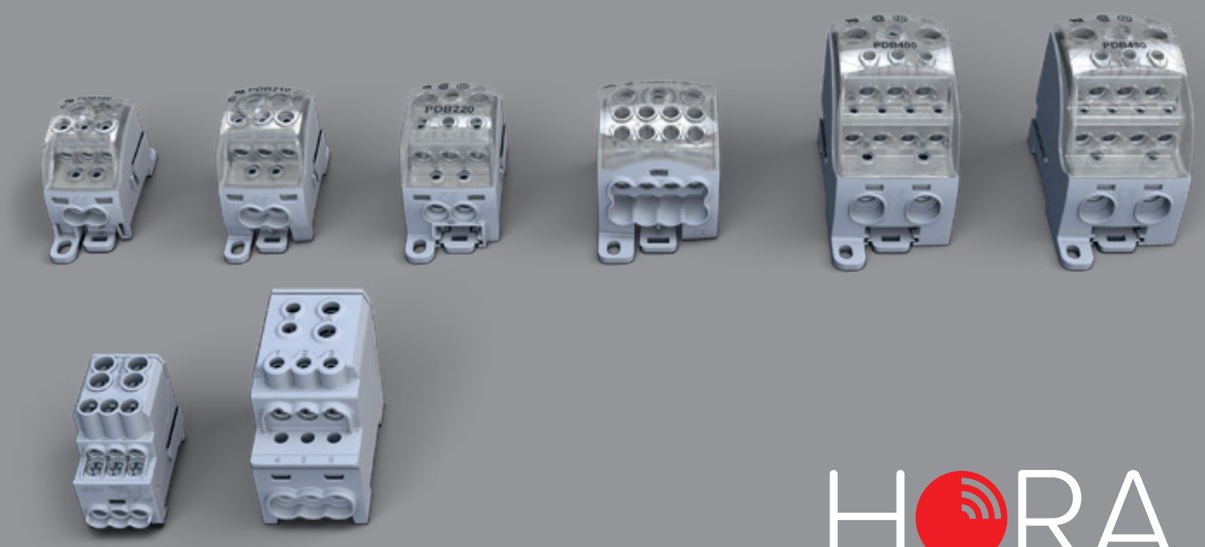



Distribution Blocks

The PDB and UVB series of HORA eTec



experts in electrical technology since 1919

www.hora-etec.com

HORA eTec

HORA eTec GmbH • Lange Straße 65, D-32257 Bünde • +49 (0) 52 23 / 49 80–0 • info@hora-etec.com




The PDB series at a glance

CHARACTERISTICS

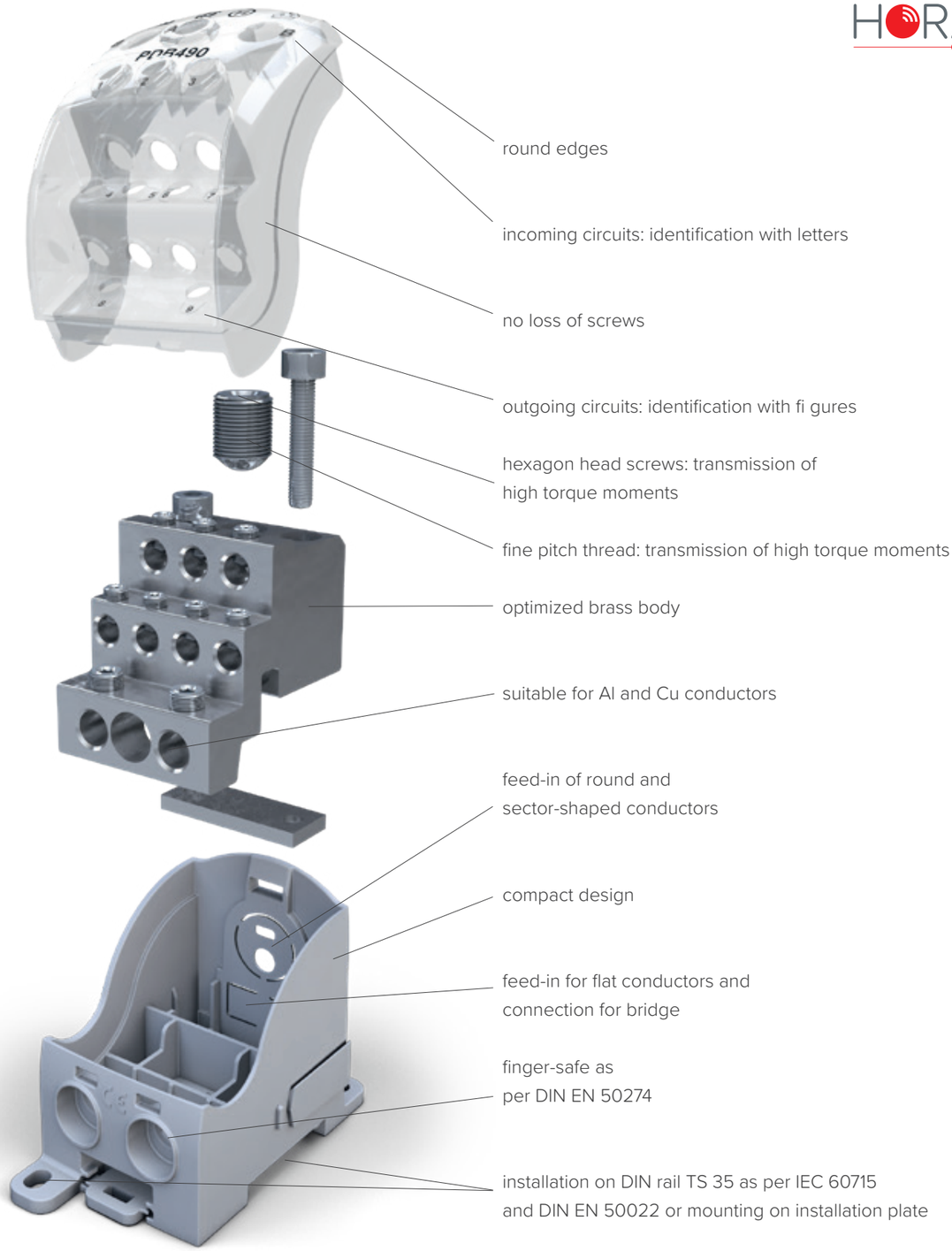
- suitable for aluminium or copper conductors
- compact and robust construction with big crosses
- all-side finger-safe
- innovative step design of the brass body with a transparent cover for safe connection of the conductors
- large amount of terminals for universal, round or flat conductors
- stackable and extended to any requirement using phase rails for smaller distribution blocks and pre-assembled flat copper bridges as accessories for larger ones
- horizontal and vertical installation

APPLICATION AREAS

- mechanical engineering
- production plants
- automation
- switch gears
- wind-mill powered plants
- solar engineering

CERTIFICATES I CONFORMITY I SAFETY

- IEC 60947-7-1
- UL-1059
- CSA C22.2 No.158-10




PDB 160


PDB 210


PDB 220


PDB 270


PDB 400


PDB 490

For the marking of the neutral conductor: blue and transparent covers for all types of the PDB series, including integrated letters and figures for incoming or outgoing circuit

Technical Data: PDB series

PDB 160

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC/DC	164 A Cu	Incoming 2 x 16 mm²	IEC 60947-7-1
1000 V AC/DC	101 A Cu	Incoming 1 x 25 mm²	IEC 60947-7-1
600 V AC	85 A Cu / 65 A Al	Incoming 1 x 4 AWG	UL-1059

INCOMING

1 x 25 - 2,5 mm² (4 - 14 AWG)
16 - 1,5 mm² (6 - 16 AWG)

OUTGOING/BRIDGE

1 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 - 16 AWG)
or
fork M6 / 16 mm²

OUTGOING

2 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 - 16 AWG)

3 x 10 - 1,5 mm² (8 - 16 AWG)
6 - 1,5 mm² (10 -16 AWG)

PDB 210

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC	214 A Cu	Incoming 2 x 25 mm²	IEC 60947-7-1
1000 V AC / 1500 V DC	125 A Cu	Incoming 1 x 35 mm²	IEC 60947-7-1
600 V AC	115 A Cu / 90 A Al	Incoming 1 x 2 AWG	UL-1059

INCOMING

1 x 35 - 4 mm² (2 - 12 AWG)
25 - 2,5 mm² (4 - 14 AWG)

OUTGOING/BRIDGE

1 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 - 16 AWG)
or
Fork M6 / 16 mm²

OUTGOING

2 x 25 - 2,5 mm² (4 - 14 AWG)
16 - 1,5 mm² (6 - 16 AWG)

3 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 -16 AWG)

PDB 220

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC	215 A Cu	Incoming Flexi Bar 4 x 15,5 mm	IEC 60947-7-1
1000 V AC / 1500 V DC	192 A Cu	Incoming 1 x 70 mm²	IEC 60947-7-1
600 V AC	160 A Cu / 135 A Al	Incoming 1 x 2/0 AWG	UL-1059

INCOMING

1 x 70 - 10 mm² (2/0 - 8 AWG)
50 - 6 mm² (1/0 - 10 AWG)

1 x Flat conductor 15,5 x 5 mm

OUTGOING

2 x 25 - 2,5 mm² (4 - 14 AWG)
16 - 1,5 mm² (6 - 16 AWG)

3 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 -16 AWG)

PDB 270

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC/DC	270 A Cu	Incoming 2 x 35 mm²	IEC 60947-7-1
1000 V AC/DC	232 A Cu	Incoming 1 x 95 mm²	IEC 60947-7-1
600 V AC	200 A Cu / 155 A Al	Incoming 1 x 3/0 AWG	UL-1059

INCOMING

1 x 95 - 16 mm² (3/0 - 6 AWG)
70 - 10 mm² (2/0 - 8 AWG)

OUTGOING/BRIDGE

2 x 35 - 4 mm² (2 - 12 AWG)
25 - 2,5 mm² (4 - 14 AWG)

OUTGOING

8 x 25 - 2,5 mm² (4 - 14 AWG)
16 - 1,5 mm² (6 - 16 AWG)

PDB 400

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC	400 A Cu	Incoming Flexi Bar 24 x 10 mm	IEC 60947-7-1
1000 V AC / 1500 V DC	250 A Cu	Incoming 1 x 120 mm²	IEC 60947-7-1
600 V AC	250 A Cu / 205 A Al	Incoming 1 x 250 kcmil	UL-1059

INCOMING

1 x 120 - 35 mm² (250 - 2 AWG)
95 - 25 mm² (3/0 - 4 AWG)

1 x Flat conductor 24 x 10 mm

OUTGOING

2 x 35 - 4 mm² (2 - 12 AWG)
25 - 2,5 mm² (4 - 14 AWG)

3 x 25 - 2,5 mm² (4 - 14 AWG)
16 - 1,5 mm² (6 - 16 AWG)

4 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 -16 AWG)

PDB 490

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC	490 A Cu	Incoming Flexi Bar 24 x 10 mm	IEC 60947-7-1
1000 V AC / 1500 V DC	353 A Cu	Incoming 1 x 185 mm²	IEC 60947-7-1
600 V AC	310 A Cu / 250 A Al	Incoming 1 x 350 kcmil	UL-1059

INCOMING

1 x 185 - 95 mm² (350 - 3/0 AWG)
150 - 70 mm² (300 - 2/0 AWG)

1 x Flat conductor 24 x 10 mm

OUTGOING

2 x 35 - 4 mm² (2 - 12 AWG)
25 - 2,5 mm² (4 - 14 AWG)

3 x 25 - 2,5 mm² (4 - 14 AWG)
16 - 1,5 mm² (6 - 16 AWG)

4 x 16 - 1,5 mm² (6 - 16 AWG)
10 - 1,5 mm² (8 -16 AWG)

Technical Data: UVB series

UVB 100

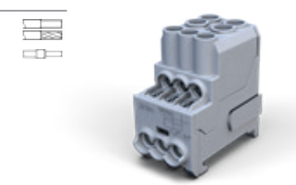
NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC	101 A Cu	Incoming 1 x 25 mm²	IEC 60947-7-1
1000 V AC	100 A Al	Incoming 2 x 16 mm²	IEC 61238-1 (Class A)

INCOMING/BRIDGE

2 x 25 mm² - 2,5 mm²
16 mm² - 1,5 mm²

OUTGOING

6 x 10 mm² - 1,5 mm²
6 mm² - 1,5 mm²



UVB 200

NOMINAL VOLTAGE	NOMINAL CURRENT		STANDARDS
1000 V AC	101 A Cu	Incoming 1 x 25 mm²	IEC 60947-7-1
1000 V AC	100 A Al	Incoming 2 x 16 mm²	IEC 61238-1 (Class A)

INCOMING

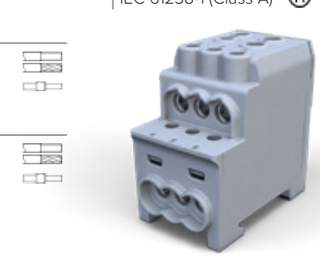
1 x 70 - 10 mm²
50 - 6 mm²

OUTGOING/BRIDGE

1 x 35 - 4 mm²
25 - 2,5 mm²

OUTGOING

6 x 16 - 1,5 mm²
10 - 1,5 mm²



The UVB series at a glance

CHARACTERISTICS

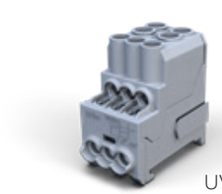
- suitable for all round and sector-shaped solid, stranded or flexible conductors in copper or aluminium
- cost savings from optimized brass body and compact design
- all-side finger-safe
- user-friendliness with simplified screw assembly, captive screws attached to the plastic casing, no brake screws needed
- universal connection for conductors on large numbers of terminals
- horizontal installation as well as free combination and stacking arrangement with component connections using conductor bridges

APPLICATION AREAS

- mechanical engineering
- production plants
- automation
- switch gears
- wind-mill powered plants
- solar engineering

CERTIFICATES I CONFORMITY I SAFETY

- ▶ IEC 60947-7-1
- ▶ IEC 60998-1
- ▶ IEC 61238-1 (Class A)



UVB 100

UVB 200

Marking of the diverse conductors with colour-highlighted covers and simplified stackable installation