

# HORA

---

eTec

## Technical data sheets PDB-series





**Technical data**

Description:	Power distribution block PDB 160
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082040-0-3

**IEC Specific**

Standards:	IEC 60947-7-1
Nominal Voltage:	1000 V AC 1000 V DC
Nominal current:	101 A Cu 164 A Cu



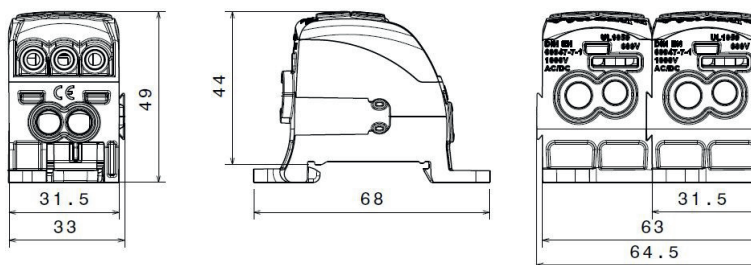
Terminal cross section:	Incoming	Cu		
	1 x	2,5 – 25 mm <sup>2</sup> 1,5 – 16 mm <sup>2</sup> M6 2,5 Nm 19 mm		round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	Brücke/ Outgoing			
	1 x kombi- niert	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2,5 Nm 19 mm  Fork M6		round conductor Cu (solid wire and multi wire) stranded wire with ferrule cross-head screw +/- PZ2 tightening torque stripping length  Phase rail Cu
	Outgoing			
	2 x	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2,5 Nm 14 mm		round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	1,5 – 10 mm <sup>2</sup> 1,5 – 6 mm <sup>2</sup> M5 2 Nm 12 mm		round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

Remarks: The product is compliant with the EC ROHS directives

Materials:	Terminal body:	brass (CuZn39Pb2)	tin plated
	Basic housing:	PA 6 (Halogen-free)	
	Cover:	PC	
	Screws:	steel	Zn thick-film passivated

Flame resistance: Self-extinguishing

Mechanical data: Dimensions: width x height x depth (mm): 33 x 49 x 68





## Technical data

Description:	Power distribution block PDB 160
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082040-0-3

## UL Specific

Standards:	UL-1059	UL-1059		
Nominal Voltage:	600 V AC	600 V AC		
Nominal current:	85 A Cu	65 A Al		
Terminal cross section:	Incoming	Cu	Al	
	1 x	14 – 4 AWG 16 – 6 AWG M6 2,5 Nm 19 mm	6 – 4 AWG - M6 5,1 Nm 19 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	Brücke/ Outgoing			
	1 x kombi- niert	16 – 6 AWG 16 – 8 AWG M6 2,5 Nm 19 mm Fork M6	6 AWG - M6 5,1 Nm 19 mm Fork M6	round conductor Cu (solid wire and multi wire) stranded wire with ferrule cross-head screw +/- PZ2 tightening torque stripping length Phase rail Cu
	Outgoing			
	2 x	16 – 6 AWG 16 – 8 AWG M6 2,5 Nm 14 mm	6 AWG - M6 5,1 Nm 14 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	16 – 8 AWG 16 – 10 AWG M5 2 Nm 12 mm	- - - -	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

SCCR Rating:	Line	Load	Fuse Class					Amps, kA	Voltage, V	
			J	T	RK1	RK5	G			CC
	4 - 14	8 - 14 Top 4 - 14 Bottom 6 - 14 LS Load	60	60	60	30	-	30	200	600
			-	-	-	-	60	-	100	600

### Design

Basic housing colour – light grey RAL 7035





Part no.	Design	Cover colour	PU	GTIN (EAN)
082040-0-3	Universal	crystal clear	1	4051589204033



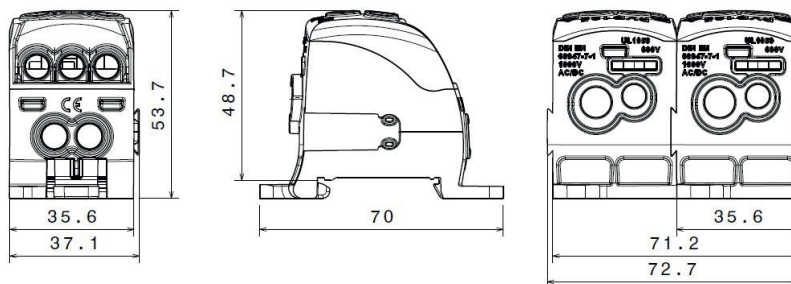
**Technical data**

Description:	Power distribution block PDB 210
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082050-0-3

**IEC Specific**

Standards:	IEC 60947-7-1				
Nominal Voltage:	1000 V AC 1000 V DC				
Nominal current:	125 A Cu 214 A Cu				
Terminal cross section:	Incoming	Cu			
	1 x	4 – 35 mm <sup>2</sup> 2,5 – 25 mm <sup>2</sup> M8 3,5 Nm 19 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	Bridge/ Outgoing				
	1 x combi- ned	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2,5 Nm 19 mm Fork M6			round conductor Cu (solid wire and multi wire) stranded wire with ferrule cross-head screw +/- PZ2 tightening torque stripping length  Phase rail Cu
	Outgoing				
	2 x	2,5 – 25 mm <sup>2</sup> 1,5 – 16 mm <sup>2</sup> M6 2,5 Nm 14 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2,5 Nm 12 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

Remarks:	The product is compliant with the EC ROHS directives		
Materials:	Terminal body:	brass (CuZn39Pb2)	tin plated
	Basic housing:	PA 6 (Halogen-free)	
	Cover:	PC	
	Screws:	steel	Zn thick-film passivated
Flame resistance:	Self-extinguishing		
Mechanical data:	Dimensions:	width x height x depth (mm):	371 x 53,7 x 70





## Technical data

Description:	Power distribution block PDB 210
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082050-0-3

## UL Specific

Standards:	UL-1059	UL-1059		
Nominal Voltage:	600 V AC	600 V AC		
Nominal current:	115 A Cu	90 A Al		
Terminal cross section:	Incoming	Cu	Al	
	1 x	12 – 2 AWG 14 – 4 AWG M8 3,5 Nm 19 mm	6 – 2 AWG 6 – 4 AWG M8 11,3 Nm 19 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	Bridge/ Outgoing			
	1 x combi- ned	16 – 6 AWG 16 – 8 AWG M6 2,5 Nm 19 mm Fork M6	6 AWG - M6 5,1 Nm 19 mm Fork M6	round conductor Cu (solid wire and multi wire) stranded wire with ferrule cross-head screw +/- PZ2 tightening torque stripping length  Phase rail Cu
	Outgoing			
	2 x	14 – 4 AWG 16 – 6 AWG M6 2,5 Nm 14 mm	6 – 4 AWG 6 AWG M6 5,1 Nm 14 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	16 – 6 AWG 16 – 8 AWG M6 2,5 Nm 12 mm	6 AWG - M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

SCCR Rating:	Line	Load	Fuse Class					Amps, kA	Voltage, V	
			J	T	RK1	RK5	G			CC
	2 - 12	6 - 16 Top 4 - 14 Bottom 6 - 16 LS Load	60	60	60	30	-	30	200	600
			-	-	-	-	60	-	100	600

### Design

Basic housing colour – light grey RAL 7035

Part no.	Design	Cover colour	PU	GTIN (EAN)
082050-0-3	Universal	crystal clear	1	4051589205030



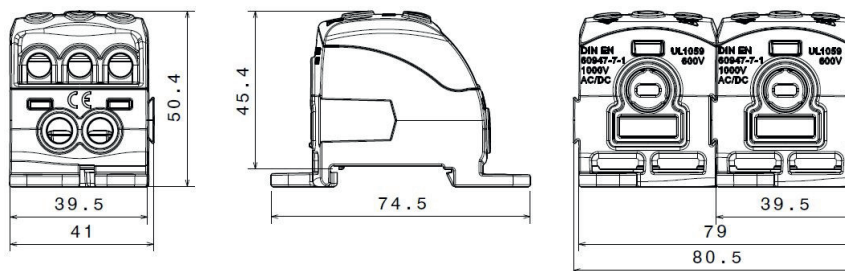
## Technical data

Description:	Power distribution block PDB 220
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082060-0-3

## IEC Specific

Standards:	DIN EN 60947-7-1		
Nominal Voltage:	1000 V AC 1000 V DC		
Nominal current:	192 A Cu 215 A Cu		
Terminal cross section:	Incoming	Cu	
	1 x	10 – 70 mm <sup>2</sup> 6 – 50 mm <sup>2</sup> M10 10 Nm 17 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	1 x	15,5 x 5 mm M5 2 Nm 17 mm	flat conductor Cu allen screw (hexagonal socket) x 2 tightening torque stripping length
	Outgoing		
	2 x	2,5 – 25 mm <sup>2</sup> 1,5 – 16 mm <sup>2</sup> M6 2 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

Remarks:	The product is compliant with the EC ROHS directives		
Materials:	Terminal body:	brass (CuZn39Pb2)	tin plated
	Basic housing:	PA 6 (Halogen-free)	
	Cover:	PC	
	Screws:	steel	Zn thick-film passivated
Flame resistance:	Self-extinguishing		
Mechanical data:	Dimensions:	width x height x depth (mm):	41 x 50,4 x 74,5





## Technical data

Description:	Power distribution block PDB 220
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082060-0-3

## UL Specific

Standards:	UL-1059	UL-1059		
Nominal Voltage:	600 V AC	600 V AC		
Nominal current:	160 A Cu	135 A Al		
Terminal cross section:	Incoming	Cu	Al	
	1 x	8 – 2/0 AWG 10 – 1/0 AWG M10 10 Nm 17 mm	6 – 2/0 AWG 6 – 1/0 AWG M10 13,6 Nm 17 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	1 x	15,5 x 3,2 mm M5 x 20 2 Nm 17 mm	- - - -	flat conductor Cu allen screw (hexagonal socket) x 2 tightening torque stripping length
	Outgoing			
	2 x	14 – 4 AWG 16 – 6 AWG M6 3 Nm 12 mm	6 – 4 AWG 6 AWG M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	16 – 6 AWG 16 – 8 AWG M6 3 Nm 12 mm	6 AWG - M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

### SCCR Rating:

Line	Load	Fuse Class						Amps, kA	Voltage, V
		J	T	RK1	RK5	G	CC		
1/0 - 10	6 - 14 Top	60	60	60	30	-	30	200	600
	4 - 14 Bottom	-	-	-	-	60	-	100	600

### Design

Basic housing colour – light grey RAL 7035





Part no.	Design	Cover colour	PU	GTIN (EAN)
082060-0-3	Universal	crystal clear	1	4051589206037



**Technical data**

Description:	Power distribution block PDB 270
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082070-0-3

**IEC Specific**

Standards:	DIN EN 60947-7-1		
Nominal Voltage:	1000 V AC 1000 V DC		
Nominal current:	232 A Cu  270 A Cu 		
Terminal cross section:	Incoming	Cu	
	1 x	16 – 95 mm <sup>2</sup> 10 – 70 mm <sup>2</sup> M12 14 Nm 14 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) SW 6 tightening torque stripping length
	Bridge/ Outgoing		
	2 x	4 – 35 mm <sup>2</sup> 2,5 – 25 mm <sup>2</sup> M8 3,5 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	Outgoing		
	8 x	2,5 – 25 mm <sup>2</sup> 1,5 – 16 mm <sup>2</sup> M6 2,5 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

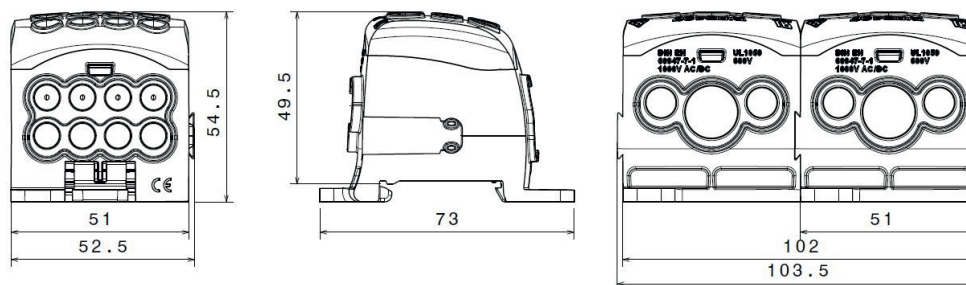
Remarks: The product is compliant with the EC ROHS directives

Materials:

Terminal body:	brass (CuZn39Pb2)	tin plated
Basic housing:	PA 6 (Halogen-free)	
Cover:	PC	
Screws:	steel	Zn thick-film passivated

Flame resistance: Self-extinguishing

Mechanical data: Dimensions: width x height x depth (mm): 52,5 x 54,5 x 73







## Technical data

Description:	Power distribution block PDB 270
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082070-0-3

## UL Specific

Standards:	UL-1059	UL-1059		
Nominal Voltage:	600 V AC	600 V AC		
Nominal current:	200 A Cu	155 A Al		
Terminal cross section:	Incoming	Cu	Al	
	1 x	6 – 3/0 AWG 8 – 2/0 AWG M12 14 Nm 14 mm	6 – 3/0 AWG 6 – 2/0 AWG M12 22,6 Nm 14 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) SW 6 tightening torque stripping length
	Bridge/ Outgoing			
	2 x	12 – 2 AWG 14 – 4 AWG M8 3,5 Nm 12 mm	6 – 2 AWG 6 – 4 AWG M8 11,3 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	Outgoing			
	8 x	14 – 4 AWG 16 – 6 AWG M6 2,5 Nm 12 mm	6 – 4 AWG 6 AWG M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

## SCCR Rating:

Line	Load	Fuse Class						Amps, kA	Voltage, V
		J	T	RK1	RK5	G	CC		
3/0 - 6	4 - 14	60	60	60	30	-	30	200	600
	2 - 12 LS Load	-	-	-	-	60	-	100	600

## Design

Basic housing colour – light grey RAL 7035





Part no.	Design	Cover colour	PU	GTIN (EAN)
082070-0-3	Universal	crystal clear	1	4051589207034



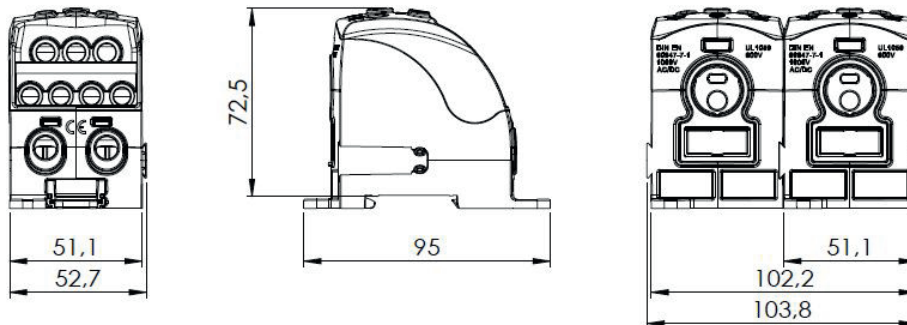
**Technical data**

Description:	Power distribution block PDB 400
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082080-0-3

**IEC Specific**

Standards:	DIN EN 60947-7-1		
Nominal Voltage:	1000 V AC 1500 V DC		 
Nominal current:	269 A Cu  400 A Cu 		
Terminal cross section:	Incoming	Cu	
	1 x	35 – 120 mm <sup>2</sup> 25 – 95 mm <sup>2</sup> M14 19 Nm 27 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	1 x	24 x 10 mm M6 3 Nm 22 mm	flat conductor Cu allen screw (hexagonal socket) x 2 tightening torque stripping length
	Outgoing		
	2 x	4 – 35 mm <sup>2</sup> 2,5 – 25 mm <sup>2</sup> M8 2,5 Nm 18 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	2,5 – 25 mm <sup>2</sup> 1,5 – 16 mm <sup>2</sup> M6 2 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	4 x	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

Remarks:	The product is compliant with the EC ROHS directives		
Materials:	Terminal body:	brass (CuZn39Pb2)	tin plated
	Basic housing:	PA 6 (Halogen-free)	
	Cover:	PC	
	Screws:	steel	Zn thick-film passivated
Flame resistance:	Self-extinguishing		
Mechanical data:	Dimensions:	width x height x depth (mm):	52,7 x 72,5 x 95





## Technical data

Description:	Power distribution block PDB 400
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082080-0-3

## UL Specific

Standards:	UL-1059	UL-1059		
Nominal Voltage:	600 V AC	600 V AC		
Nominal current:	250 A Cu	205 A Al		
Terminal cross section:	Incoming	Cu	Al	
	1 x	2 – 250 AWG 4 – 3/0 AWG M14 19 Nm 27 mm	2 – 250 AWG 4 – 3/0 AWG M14 22,6 Nm 27 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	1 x	24 x 10 mm M6 3 Nm 22 mm	- - - -	flat conductor Cu allen screw (hexagonal socket) x 2 tightening torque stripping length
	Outgoing			
	2 x	12 – 2 AWG 14 – 4 AWG M8 6 Nm 18 mm	6 – 2 AWG 6 – 4 AWG M8 11,3 Nm 18 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
3 x	14 – 4 AWG 16 – 6 AWG M6 3 Nm 12 mm	6 – 4 AWG 6 AWG M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length	
4 x	16 – 6 AWG 16 – 8 AWG M6 3 Nm 12 mm	6 AWG M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length	

### SCCR Rating:

Line	Load	Fuse Class						Amps, kA	Voltage, V
		J	T	RK1	RK5	G	CC		
3/0 - 4	4 - 14 Top	60	60	60	30	-	30	200	600
250 - 2	6 - 14 Middle 2 - 12 Bottom	-	-	-	-	60	-	100	600

### Design

Basic housing colour – light grey RAL 7035





Part no.	Design	Cover colour	PU	GTIN (EAN)
082080-0-3	Universal	crystal clear	1	4051589208031



**Technical data**

Description:	Power distribution block PDB 490
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082090-0-3

**IEC Specific**

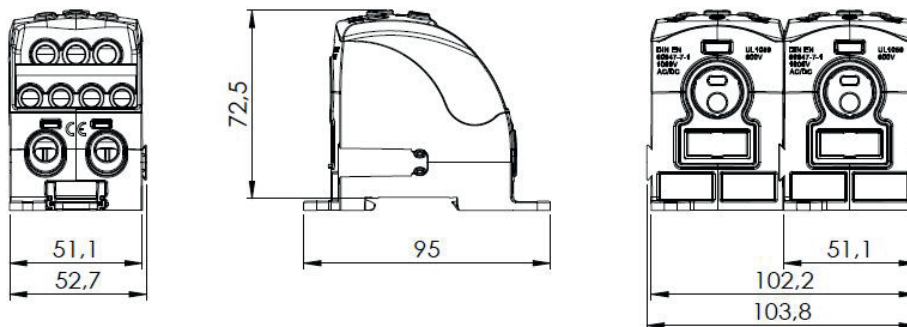
Standards:	DIN EN 60947-7-1				
Nominal Voltage:	1000 V AC 1500 V DC				
Nominal current:	353 A Cu  490 A Cu 				
Terminal cross section:	Incoming	Cu			
	1 x	95 – 185 mm <sup>2</sup> 70 – 150 mm <sup>2</sup> M14 19 Nm 27 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	1 x	24 x 10 mm M6 3 Nm 22 mm			flat conductor Cu allen screw (hexagonal socket) x 2 tightening torque stripping length
	Outgoing				
	2 x	4 – 35 mm <sup>2</sup> 2,5 – 25 mm <sup>2</sup> M8 2,5 Nm 18 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	2,5 – 25 mm <sup>2</sup> 1,5 – 16 mm <sup>2</sup> M6 2 Nm 12 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	4 x	1,5 – 16 mm <sup>2</sup> 1,5 – 10 mm <sup>2</sup> M6 2 Nm 12 mm			round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length

Remarks: The product is compliant with the EC ROHS directives

Materials:	Terminal body:	brass (CuZn39Pb2)	tin plated
	Basic housing:	PA 6 (Halogen-free)	
	Cover:	PC	
	Screws:	steel	Zn thick-film passivated

Flame resistance: Self-extinguishing

Mechanical data: Dimensions: width x height x depth (mm): 52,7 x 72,5 x 95





## Technical data

Description:	Power distribution block PDB 490
Construction:	all-side fingersafe, modular system, bridgeable
Item no. :	082090-0-3

## UL Specific

Standards:	UL-1059	UL-1059		
Nominal Voltage:	600 V AC	600 V AC		
Nominal current:	310 A Cu	250 A Al		
Terminal cross section:	Incoming	Cu	Al	
	1 x	000 – 350 AWG 00 – 300 AWG M14 25 Nm 27 mm	000 – 350 AWG 00 – 300 AWG M14 22,6 Nm 27 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	1 x	24 x 10 mm M6 3 Nm 22 mm	- - - -	flat conductor Cu allen screw (hexagonal socket) x 2 tightening torque stripping length
	Outgoing			
	2 x	12 – 2 AWG 14 – 4 AWG M8 6 Nm 18 mm	6 – 2 AWG 6 – 4 AWG M8 11,3 Nm 18 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
	3 x	14 – 4 AWG 16 – 6 AWG M6 3 Nm 12 mm	6 – 4 AWG 6 AWG M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length
4 x	16 – 6 AWG 16 – 8 AWG M6 3 Nm 12 mm	6 AWG - M6 5,1 Nm 12 mm	round conductor Cu (solid wire and multi wire) stranded wire with ferrule allen screw (hexagonal socket) tightening torque stripping length	

### SCCR Rating:

Line	Load	Fuse Class						Amps, kA	Voltage, V
		J	T	RK1	RK5	G	CC		
300 - 2/0	4 - 14 Top	60	60	60	30	-	30	200	600
350 - 3/0	6 - 14 Middle 2 - 12 Bottom	-	-	-	-	60	-	100	600

### Design

Basic housing colour – light grey RAL 7035

Part no.	Design	Cover colour	PU	GTIN (EAN)
082090-0-3	Universal	crystal clear	1	4051589209038