



Technical data sheets





PDB-series



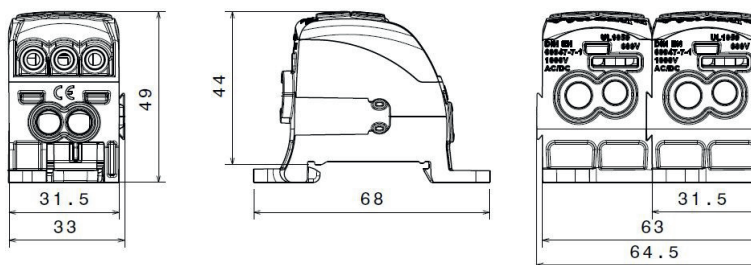
Technical data


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 ² 1,5 – 16 mm ² 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 ² 1,5 – 10 mm ² 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 ² 1,5 – 10 mm ² 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 ² 1,5 – 6 mm ² 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		 15.11.2016
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
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	60	60	60	30	-	30	200	600
	4 - 14 Bottom	-	-	-	-	60	-	100	600
	6 - 14 LS Load								

Design				
Basic housing colour – light grey RAL 7035				
Part no.	Design	Cover colour	PU	GTIN (EAN)
082040-0-3	Universal	crystal clear	1	4051589204033

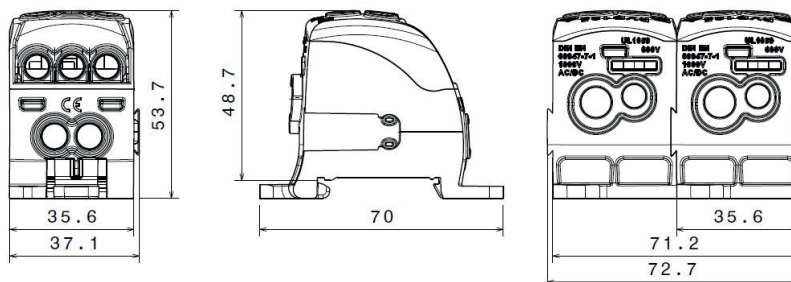
Technical data


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 ² 2,5 – 25 mm ² 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 ² 1,5 – 10 mm ² 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 ² 1,5 – 16 mm ² 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 ² 1,5 – 10 mm ² 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	15.11.2016

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

SCCR Rating:





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

Design				
Basic housing colour – light grey RAL 7035				
Part no.	Design	Cover colour	PU	GTIN (EAN)
082050-0-3	Universal	crystal clear	1	4051589205030

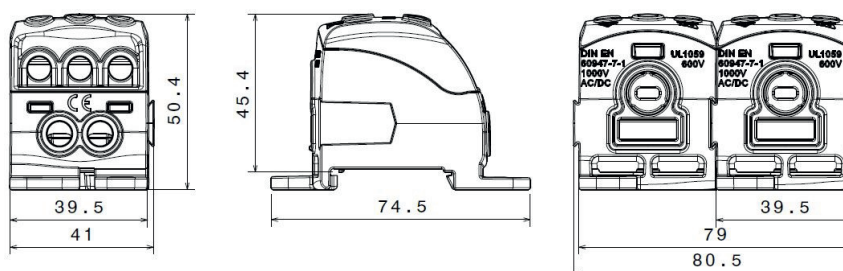
Technical data

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 ² 6 – 50 mm ² 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 ² 1,5 – 16 mm ² 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 ² 1,5 – 10 mm ² 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

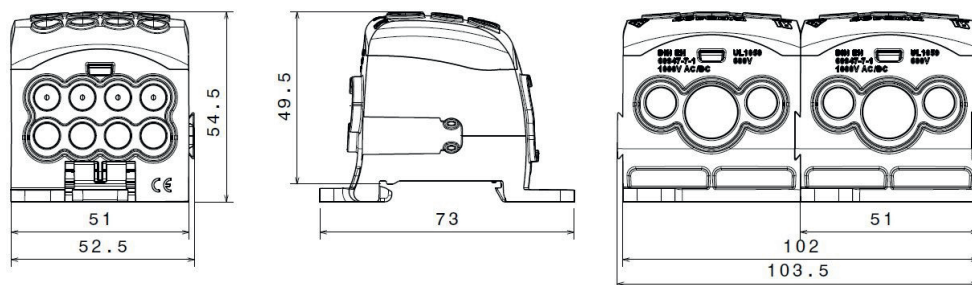
Technical data


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 ² 10 – 70 mm ² 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 ² 2,5 – 25 mm ² 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 ² 1,5 – 16 mm ² 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		 15.11.2016
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	





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

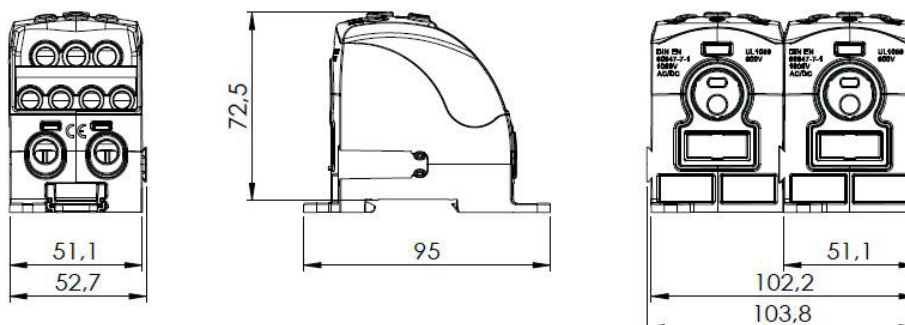
Technical data

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 ² 25 – 95 mm ² 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 ² 2,5 – 25 mm ² 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 ² 1,5 – 16 mm ² 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 ² 1,5 – 10 mm ² 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

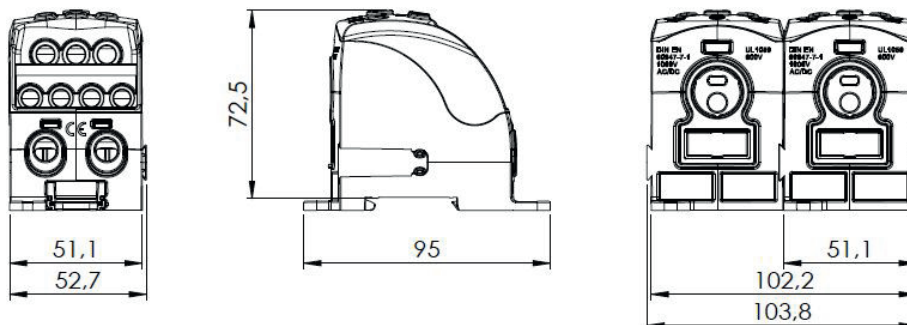
Part no.	Design	Cover colour	PU	GTIN (EAN)
082080-0-3	Universal	crystal clear	1	4051589208031

Technical data		 15.11.2016
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 ² 70 – 150 mm ² 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 ² 2,5 – 25 mm ² 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 ² 1,5 – 16 mm ² 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 ² 1,5 – 10 mm ² 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