

Distribution Terminal Blocks



The use of tbloc company's distribution terminal blocks instead of copper busbars in electrical panels leads to a reduction in the cost and time of panel building and ease in the distribution of electricity in electrical panels. tbloc's distribution terminal blocks include the following three product categories:

1- SDB is a single-pole distribution terminal block with a rated current from 80A to 500A. These products can be installed on 35 mm rails and flat plates, and also the variety in the number of inputs and outputs of these products leads to facilitating the distribution of electricity in the electrical panel.

2- TDB is a two-pole distribution terminal block used for wiring two-phase or one-phase with neutral systems. The presence of a transparent partition plate between each pole leads to a safe connection in these terminals. Also, the transparent cover with the ability to separate from the terminal body creates a better situation in the wiring of the product.

This product group is offered to the market with a rated current of 80A, 100A and 125A. Also, these products can be installed on 35mm rails as well as flat surfaces.

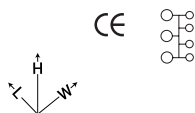
3- FDB is a four-pole distribution terminal block used for wiring three-phase with neutral systems. The presence of a transparent partition plate between each pole leads to a safe connection in these terminals. The transparent cover with the ability to separate from the terminal body creates a better situation in the wiring of these products.

The rated current of these products is 80A, 100A and 125A.

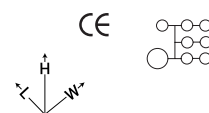
Also, these products can be installed on 35mm rails as well as flat surfaces.



SDB 80A



SDB 125A

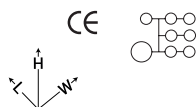


Technical data	SDB 80A		SDB 125A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1 UL 1059	1000 600	80 85	1000 600	125 150
IEC 60947-7-1 rated data				
Impulse voltage (kV)	12		12	
Pollution degree/Voltage category/Material group	3/III/I		3/III/I	
I _{cw} (kA)	3		4.2	
I _{pk} (kA)	22		30	

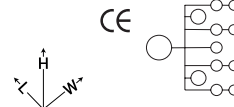
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 	SDB 80A	8037000100	1	SDB 125A	8037000110	1
Connection data						
Input		Line		Line		
Connection Points		1		1		
Diameter (mm)		6.8		10		
Connection capacity	(mm²)	6 – 16		10 - 35		
	(AWG)	16 – 4		8 – 1		
Tightening torque (N·m)		3.5		8.5		
Stripping length (mm)		17		15.2		
Output		Load 1		Load 1		
Connection Points		4		1		
Diameter (mm)		4.5		6.8		
Connection capacity	(mm²)	2.5 - 6		6 – 16		
	(AWG)	16 - 8		14 – 2		
Tightening torque (N·m)		1.2		3.5		
Stripping length (mm)		10.2		14.7		
Output		Load 2		Load 2		
Connection Points		2		6		
Diameter (mm)		6.8		6.8		
Connection capacity	(mm²)	2.5 – 16		2.5 – 16		
	(AWG)	16 - 4		14 – 4		
Tightening torque (N·m)		3.5		3.5		
Stripping length (mm)		17				
Color	Body	Gray		Gray		
	Cover	Dark gray		Dark gray		
Dimensions (mm)		W / L / H		W / L / H		
Width/Length/Height		27/66/46		29/77/46		
Insulation material						
Body		PA 6.6 / V-0		PA 6.6 / V-0		
Cover		PC		PC		



■ SDB 160A



■ SDB 250A

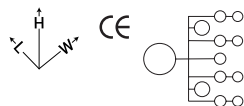


Technical data	SDB 160A		SDB 250A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1 UL 1059	1000 600	160 200	1000 600	250 255
IEC 60947-7-1 rated data				
Impulse voltage (kV)	12		12	
Pollution degree/Voltage category/Material group	3/III/I		3/III/I	
I _{cw} (kA)	11.8		24.5	
I _{pk} (kA)	30		51	

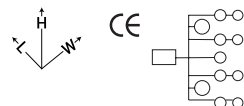
Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		SDB 160A	8037000120	1	SDB 250A	8037000130	1
Connection data							
Input		Line			Line		
Connection Points		1			1		
Diameter (mm)		12.3			15		
Connection capacity	(mm²)	10 – 70			35 – 120		
	(AWG)	8 - 3			6 – 250 kcmil		
Tightening torque (N·m)		8.5			19		
Stripping length (mm)		15.2			26.4		
Output		Load 1			Load 1		
Connection Points		1			2		
Diameter (mm)		6.8			9		
Connection capacity	(mm²)	6 – 16			6 – 35		
	(AWG)	14 – 2			10 – 1		
Tightening torque (N·m)		31			4.4		
Stripping length (mm)		14.7			15.9		
Output		Load 2			Load 2		
Connection Points		6			4		
Diameter (mm)		6.8			6.1		
Connection capacity	(mm²)	2.5 – 16			2.5 – 10		
	(AWG)	14 – 4			14 – 6		
Tightening torque (N·m)		31			2.7		
Stripping length (mm)					9.8		
Output					Load 3		
Connection Points					5		
Diameter (mm)					6.8		
Connection capacity	(mm²)				2.5 – 16		
	(AWG)				14 - 4		
Tightening torque (N·m)					2.7		
Stripping length (mm)					10.2		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		29/77/46			46/96/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		



SDB 400A



SDB 500A

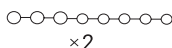


Technical data	SDB 400A		SDB 500A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	1000	400	1000	500
UL 1059	600	335	600	335
IEC 60947-7-1 rated data				
Impulse voltage (kV)	12		12	
Pollution degree/ Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	24.5		24.5	
I _{pk} (kA)	51		51	

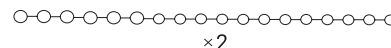
Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		SDB 400A	8037000140	1	SDB 500A	8037000150	1
Connection data							
Input		Line			Line		
Connection Points		1			1		
Diameter (mm)		19			-		
Connection capacity	(mm²)	95 – 185			2×20×1 – 8×24×1		
	(AWG)	3 – 400 kcmil			-		
Tightening torque (N·m)		25			13.5		
Stripping length (mm)		26.4			28		
Output		Load 1			Load 1		
Connection Points		2			2		
Diameter (mm)		9			9		
Connection capacity	(mm²)	6 – 35			6 – 35		
	(AWG)	10 – 1			10 - 1		
Tightening torque (N·m)		4.4			4.4		
Stripping length (mm)		15.9			15.9		
Output		Load 2			Load 2		
Connection Points		4			4		
Diameter (mm)		6.1			6.1		
Connection capacity	(mm²)	2.5 – 10			2.5 – 10		
	(AWG)	14 – 6			14 – 6		
Tightening torque (N·m)		2.7			2.7		
Stripping length (mm)		9.8			9.8		
Output		Load 3			Load 3		
Connection Points		5			5		
Diameter (mm)		6.8			6.8		
Connection capacity	(mm²)	2.5 – 16			2.5 – 16		
	(AWG)	14 - 4			14 – 4		
Tightening torque (N·m)		2.7			2.7		
Stripping length (mm)		10.2			10.2		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		46/96/50			46/96/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		



■ TDB 2×8-80A



■ TDB 2×18-80A



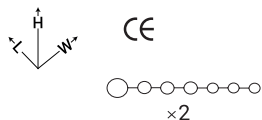
Technical data	TDB 2×8-80A		TDB 2×18-80A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	500	80	500	80
IEC 60947-7-1 rated data				
Impulse voltage (kV)	4		4	
Pollution degree/Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	4.5		4.5	
I _{pk} (kA)	20		20	

Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		TDB 2x8-80A	8037000210	1	TDB 2x18-80A	8037000211	1
Connection data							
Input		Line			Line		
Connection Points		3			6		
Diameter (mm)		5.5			5.5		
Connection capacity	Rigid (mm²)	2.5 – 16			2.5 – 16		
	Flexible (mm²)*	1.5 – 10			1.5 – 10		
	(AWG)	14 – 6			14 – 6		
Tightening torque (N·m)		2			2		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load			Load		
Connection Points		5			12		
Diameter (mm)		4.5			4.5		
Connection capacity	Rigid (mm²)	1.5 – 10			1.5 – 10		
	Flexible (mm²)*	0.75 - 6			0.75 - 6		
	(AWG)	16 – 8			16 – 8		
Tightening torque (N·m)		1.2			1.2		
Stripping length (mm)		8 – 10			8 - 10		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		64/50/50			130/50/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		

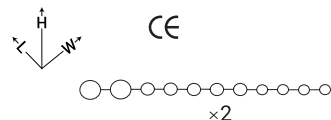
*Prepare this kind of cable with ferrule.



■ TDB 2x7-100A



■ TDB 2x11-100A



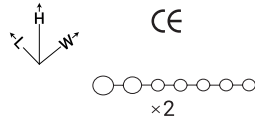
Technical data	TDB 2x7-100A		TDB 2x11-100A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	500	100	500	100
IEC 60947-7-1 rated data				
Impulse voltage (kV)	4		4	
Pollution degree/Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	4.5		4.5	
I _{pk} (kA)	20		20	

Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		TDB 2x7-100A	8037000220	1	TDB 2x11-100A	8037000221	1
Connection data							
Input		Line			Line		
Connection Points		1			2		
Diameter (mm)		8.5			8.5		
Connection capacity	Rigid (mm²)	10 – 25			10 – 25		
	Flexible (mm²)*	10 – 25			10 – 25		
	(AWG)	8 – 4			8 – 4		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 1			Load 1		
Connection Points		3			4		
Diameter (mm)		4.5			4.5		
Connection capacity	Rigid (mm²)	1.5 – 4			1.5 – 4		
	Flexible (mm²)*	0.75 – 4			0.75 – 4		
	(AWG)	16 – 12			16 – 12		
Tightening torque (N·m)		1.2 – 1.5			1.2 – 1.5		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 2			Load 2		
Connection Points		3			5		
Diameter (mm)		5.5			5.5		
Connection capacity	Rigid (mm²)	2.5 – 6			2.5 – 6		
	Flexible (mm²)*	1.5 – 6			1.5 – 6		
	(AWG)	14 – 10			14 – 10		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		64/50/50			100/50/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		

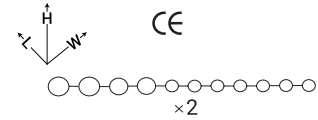
*Prepare this kind of cable with ferrule.



■ TDB 2x7-125A



■ TDB 2x11-125A



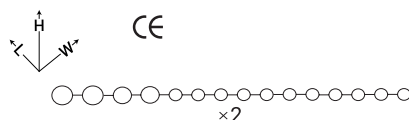
Technical data	TDB 2x7-125A		TDB 2x11-125A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	500	125	500	125
IEC 60947-7-1 rated data				
Impulse voltage (kV)	4		4	
Pollution degree/Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	4.5		4.5	
I _{pk} (kA)	20		20	

Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		TDB 2x7-125A	8037000230	1	TDB 2x11-125A	8037000231	1
Connection data							
Input		Line			Line		
Connection Points		1			2		
Diameter (mm)		8.5			8.5		
Connection capacity	Rigid (mm²)	10 – 35			10 – 35		
	Flexible (mm²)*	10 – 25			10 – 25		
	(AWG)	8 – 2			8 – 2		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 1			Load 1		
Connection Points		1			2		
Diameter (mm)		7.5			7.5		
Connection capacity	Rigid (mm²)	10 – 25			2.5 – 6		
	Flexible (mm²)*	6 – 16			1.5 – 6		
	(AWG)	8 – 4			8 – 4		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 - 10		
Output		Load 2			Load 2		
Connection Points		5			7		
Diameter (mm)		5.3			5.3		
Connection capacity	Rigid (mm²)	2.5 – 6			2.5 – 6		
	Flexible (mm²)*	1.5 – 6			1.5 – 6		
	(AWG)	14 – 10			14 – 10		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		64/50/50			100/50/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		

*Prepare this kind of cable with ferrule.



TDB 2x15-125A



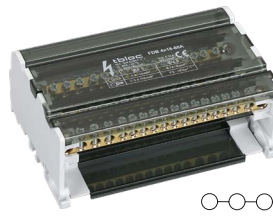
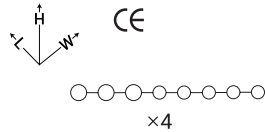
Technical data	TDB 2x15-125A	
	Voltage(V)	Current(A)
IEC 60947-7-1	500	125
IEC 60947-7-1 rated data		
Impulse voltage (kV)	4	
Pollution degree/Voltage category /Material group	3 / III / I	
I _{cw} (kA)	4.5	
I _{pk} (kA)	20	

Description		Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		TDB 2×15-125A	8037000232	1
Connection data				
Input		Line		
Connection Points		2		
Diameter (mm)		8.5		
Connection capacity	Rigid (mm²)	10 – 35		
	Flexible (mm²)*	10 – 25		
	(AWG)	8 – 2		
Tightening torque (N·m)		2 – 3		
Stripping length (mm)		8 – 10		
Output		Load 1		
Connection Points		2		
Diameter (mm)		7.5		
Connection capacity	Rigid (mm²)	10 – 25		
	Flexible (mm²)*	6 – 16		
	(AWG)	8 – 6		
Tightening torque (N·m)		2 – 3		
Stripping length (mm)		8 – 10		
Output		Load 2		
Connection Points		11		
Diameter (mm)		5.3		
Connection capacity	Rigid (mm²)	2.5 – 6		
	Flexible (mm²)*	15 – 6		
	(AWG)	14 – 10		
Tightening torque (N·m)		2 – 3		
Stripping length (mm)		8 – 10		
Color	Body	Gray		
	Cover	Dark gray		
Dimensions(mm)		W / L / H		
Width/Length/Height		130/50/50		
Insulation material				
Body		PA 6.6 / V-0		
Cover		PC		

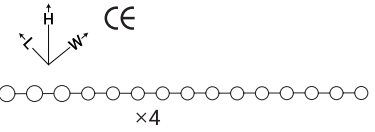
*Prepare this kind of cable with ferrule.



FDB 4x8-80A



FDB 4x18-80A



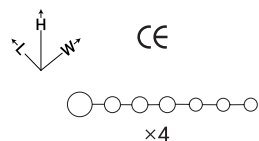
Technical data	FDB 4x8-80A		FDB 4x18-80A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	500	80	500	80
IEC 60947-7-1 rated data				
Impulse voltage (kV)	4		4	
Pollution degree/Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	4.5		4.5	
I _{pk} (kA)	20		20	

Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		FDB 4x8-80A	8037000310	1	FDB 4x18-80A	8037000312	1
Connection data							
Input		Line			Line		
Connection Points		3			6		
Diameter (mm)		5.5			5.5		
Connection capacity	Rigid (mm ²)	2.5 – 16			2.5 – 16		
	Flexible (mm ²)*	1.5 – 10			1.5 – 10		
	(AWG)	14 – 6			14 – 6		
Tightening torque (N·m)		2			2		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load			Load		
Connection Points		5			12		
Diameter (mm)		4.5			4.5		
Connection capacity	Rigid (mm ²)	1.5 – 10			2.5 – 16		
	Flexible (mm ²)*	0.75 – 6			1.5 – 10		
	(AWG)	16 – 8			14 – 6		
Tightening torque (N·m)		1.2			1.2		
Stripping length (mm)		8 – 10			8 - 10		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		64/90/50			130/90/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		

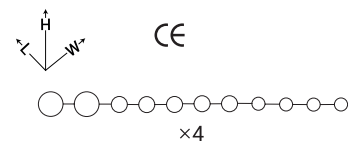
*Prepare this kind of cable with ferrule.



■ FDB 4x7-100A



■ FDB 4x11-100A



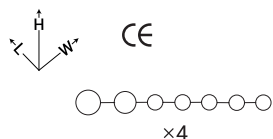
Technical data	FDB 4x7-100A		FDB 4x11-100A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	500	100	500	100
IEC 60947-7-1 rated data				
Impulse voltage (kV)	4		4	
Pollution degree/ Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	4.5		4.5	
I _{pk} (kA)	20		20	

Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		TDB 4x7-100A	8037000320	1	TDB 4x11-100A	8037000321	1
Connection data							
Input		Line			Line		
Connection Points		1			2		
Diameter (mm)		8.5			8.5		
Connection capacity	Rigid (mm²)	10 – 25			10 – 25		
	Flexible (mm²)*	10 – 25			10 – 25		
	(AWG)	8 – 4			8 – 4		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 1			Load 1		
Connection Points		3			4		
Diameter (mm)		4.5			4.5		
Connection capacity	Rigid (mm²)	1.5 – 4			1.5 – 4		
	Flexible (mm²)*	0.75 – 4			0.75 – 4		
	(AWG)	16 – 1.3			1.2 – 1.3		
Tightening torque (N·m)		1.2 – 1.5			1.2 – 1.5		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 2			Load 2		
Connection Points		3			5		
Diameter (mm)		5.5			5.5		
Connection capacity	Rigid (mm²)	2.5 – 6			2.5 – 6		
	Flexible (mm²)*	1.5 – 6			1.5 – 6		
	(AWG)	14 – 2.1			14 – 2.1		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		64/90/50			100/90/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		

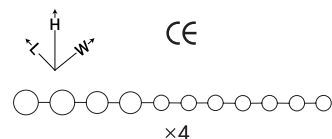
*Prepare this kind of cable with ferrule.



■ FDB 4x7-125A



■ FDB 4x11-125A



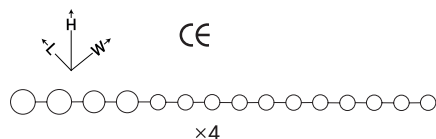
Technical data	FDB 4x7-125A		FDB 4x11-125A	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	500	125	500	125
IEC 60947-7-1 rated data				
Impulse voltage (kV)	4		4	
Pollution degree/Voltage category/Material group	3 / III / I		3 / III / I	
I _{cw} (kA)	4.5		4.5	
I _{pk} (kA)	20		20	

Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		FDB 4x7-125A	8037000330	1	FDB 4x11-125A	8037000331	1
Connection data							
Input		Line			Line		
Connection Points		1			2		
Diameter (mm)		8.5			8.5		
Connection capacity	Rigid (mm²)	10 – 35			10 – 35		
	Flexible (mm²)*	10 – 25			10 – 25		
	(AWG)	8 – 2			8 – 2		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 1			Load 1		
Connection Points		1			2		
Diameter (mm)		7.5			7.5		
Connection capacity	Rigid (mm²)	10 – 25			10 – 25		
	Flexible (mm²)*	6 – 16			6 – 16		
	(AWG)	8 – 4			8 – 4		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Output		Load 2			Load 2		
Connection Points		5			7		
Diameter (mm)		5.3			5.3		
Connection capacity	Rigid (mm²)	2.5 – 6			2.5 – 6		
	Flexible (mm²)*	1.5 – 6			1.5 – 6		
	(AWG)	14 – 10			14 – 10		
Tightening torque (N·m)		2 – 3			2 – 3		
Stripping length (mm)		8 – 10			8 – 10		
Color	Body	Gray			Gray		
	Cover	Dark gray			Dark gray		
Dimensions (mm)		W / L / H			W / L / H		
Width/Length/Height		64/90/50			100/90/50		
Insulation material							
Body		PA 6.6 / V-0			PA 6.6 / V-0		
Cover		PC			PC		

*Prepare this kind of cable with ferrule.



FDB 4x15-125A



Technical data	FDB 4x15-125A	
	Voltage(V)	Current(A)
IEC 60947-7-1	500	125
IEC 60947-7-1 rated data		
Impulse voltage (kV)	4	
Pollution degree/ Voltage category /Material group	3 / III / I	
I _{cu} (kA)	4.5	
I _{pk} (kA)	20	

Description		Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 		FDB 4x15-125A	8037000332	1
Connection data				
Input		Line		
Connection Points		2		
Diameter (mm)		8.5		
Connection capacity	Rigid (mm²)	10 – 35		
	Flexible (mm²)*	10 – 25		
	(AWG)	8 – 2		
Tightening torque (N·m)		2 – 3		
Stripping length (mm)		8 - 10		
Output		Load 1		
Connection Points		2		
Diameter (mm)		7.5		
Connection capacity	Rigid (mm²)	10 – 25		
	Flexible (mm²)*	6 – 16		
	(AWG)	8 – 4		
Tightening torque (N·m)		2 – 3		
Stripping length (mm)		8 - 10		
Output		Load 2		
Connection Points		11		
Diameter (mm)		5.3		
Connection capacity	Rigid (mm²)	2.5 – 6		
	Flexible (mm²)*	1.5 – 6		
	(AWG)	14 – 10		
Tightening torque (N·m)		2 – 3		
Stripping length (mm)		8 – 10		
Color	Body	Gray		
	Cover	Dark gray		
Dimensions (mm)		W / L / H		
Width/Length/Height		130/90/50		
Insulation material				
Body		PA 6.6 / V-0		
Cover		PC		

*Prepare this kind of cable with ferrule.