

High Current Terminal Blocks

9D
SERIES



Panels for
electrical
distribution



Control panels



Cabinets
junction boxes



High current distribution terminal blocks for electrical panels

Type 9D.01.5.080.0304

- 80 A

Type 9D.01.5.125.0206

- 125 A

Type 9D.01.5.175.0210

- 175 A

3 configurations available in a single product:

- Single, pole splitter: Split of main power input into 4, 6, 10 or 11 outputs
- Multiple, pole splitters: Splitting with increased number of outputs
- Grouping: Combining several inputs to make a single output (eg. solar applications)
- Reversible snap-on cover
- For use with Cu + AL cables
- Ratings, approvals and screw torque settings marked on cover
- Plastic material conforming to UL94 V0
- Ready to use Marking Kit (L1, L2, L3, N, PE, +, -) supplied with every block
- Adjacent units may be mechanically interlocked, if required
- 35 mm din rail (EN60715) mounting

For outline drawing see page 6

Current specification

Max current	A	80	125	175
Rated voltage	V AC/DC	1000/1500	1000/1500	1000/1500
Rated impulse voltage	kV	8	8	8
Short-time withstand current (I _{cw} 1s)	A	1920	4200	6000
Short Circuit Current Rating (SCCR)	kA	100	100	100
Rated peak withstand current (I _{pk})	kA	27	30	30

Input wire specification (Solid/Stranded)

Number of input		3	1	2
Terminal diameter	Ømm	6.6	9.8	11.8
Min. wire size	mm ²	2.5	10	10
	AWG	14	8	6
Max. wire size	mm ²	16	35	70
	AWG	6	2	2/0
Wire input stripping length	mm	15	15	15
Tool		Posidriv - flat screwdriver	Allen Key	Allen Key
Tool dimension	mm	5.5/PZ2	4	5
Torque	Nm	1.5...2	3.5...5	6...10

Output wire specification (Solid/Stranded)

Number of outputs		4	1	6	10
Terminal diameter	Ømm	4.5	6.8	6.4	6.4
Min. wire size	mm ²	2.5	6	2.5	2.5
	AWG	14	10	14	14
Max. wire size	mm ²	6	16	16	16
	AWG	10	6	6	6
Wire output stripping length	mm	11	11	11	11
Tool		Posidriv - flat screwdriver	Allen Key	Posidriv - flat screwdriver	Posidriv - flat screwdriver
Tool dimension	mm	4/PZ1	3	5.5 PZ2	5.5/PZ2
Torque	Nm	0.8...1.2	2...3		2...3

General data

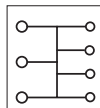
Ambient temperature	°C	-20...+70	-20...+70	-20...+70
Protection category	IEC	IP 20	IP 20	IP 10
Protection category	UL	NEMA 1	NEMA 1	NEMA 1

Approvals (according to type)

9D.01.5.080.0304



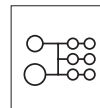
- 80 A
- 7 connections



9D.01.5.125.0206



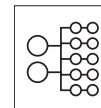
- 125 A
- 8 connections



9D.01.5.175.0210



- 175 A
- 12 connections



High current distribution terminal blocks for electrical panels
Type 9D.01.5.250.0111

- 250 A

Type 9D.01.5.400.0111

- 400 A

3 configurations available in a single product:

- Single, pole splitter: Split of main power input into 4, 6, 10 or 11 outputs
- Multiple, pole splitters: Splitting with increased number of outputs
- Grouping: Combining several inputs to make a single output (eg. solar applications)
- Reversible snap-on cover
- For use with Cu + AL cables
- Ratings, approvals and screw torque settings marked on cover
- Plastic material conforming to UL94 V0
- Ready to use Marking Kit (L1, L2, L3, N, PE, +, -) supplied with every block
- Adjacent units may be mechanically interlocked, if required
- 35 mm din rail (EN60715) mounting

9D.01

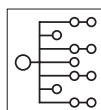
Screw terminal



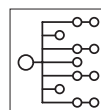
For outline drawing see page 6

9D.01.5.250.0111


- 250 A
- 12 connections


9D.01.5.400.0111


- 400 A
- 12 connections


Current specification

Max current	A	250	400
Rated voltage	V AC/DC	1000/1500	1000/1500
Rated impulse voltage	kV	8	8
Short-time withstand current (I _{cw} 1s)	A	11400	18000
Short Circuit Current Rating (SCCR)	kA	100	100
Rated peak withstand current (I _{pk})	kA	51	51

Input wire specification (Solid/Stranded)

Number of input		1	1
Terminal diameter	Ømm	15.3	15.3
Min. wire size	mm ²	35	95
	AWG	2	3/0
Max. wire size	mm ²	120	185
	AWG	250 Kcmil	400 Kcmil
Wire input stripping length	mm	28	28
Tool		Allen Key	Allen Key
Tool dimension	mm	6	8
Torque	Nm	19...21	25

Output wire specification (Solid/Stranded)

Number of outputs		2	5	4	2	5	4
Terminal diameter	Ømm	8.7	6.4	5.7	8.7	6.4	5.7
Min. wire size	mm ²	2.5	2.5	2.5	2.5	2.5	2.5
	AWG	14	14	14	14	14	14
Max. wire size	mm ²	35	16	10	35	16	10
	AWG	2	6	8	2	6	8
Wire output stripping length	mm	11			11		
Tool		Allen Key			Allen Key		
Tool dimension	mm	4	3		4	3	
Torque	Nm	3.5...5	2...3		3.5...5	2...3	

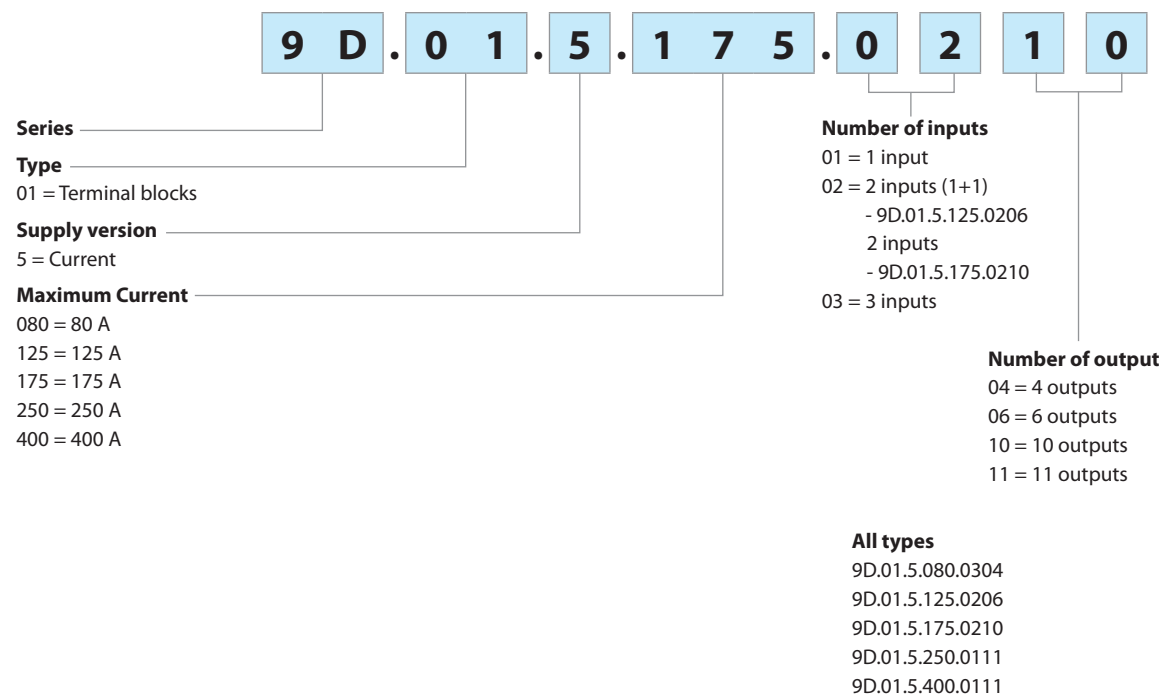
General data

Ambient temperature	°C	-20...+70		-20...+70	
Protection category	IEC	IP 10		IP 10	
Protection category	UL	NEMA 1		NEMA 1	

Approvals (according to type)

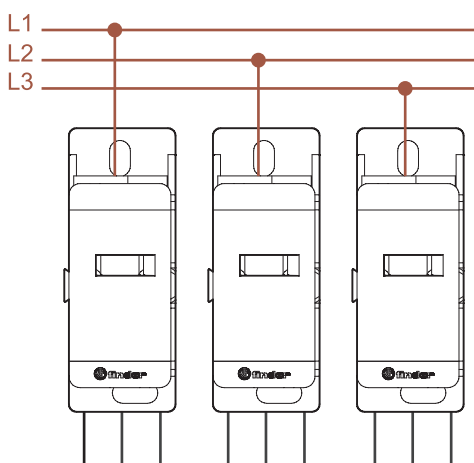

Ordering information

Example: 9D Series, High current terminal block, nominal current 175 A, 12 connections.

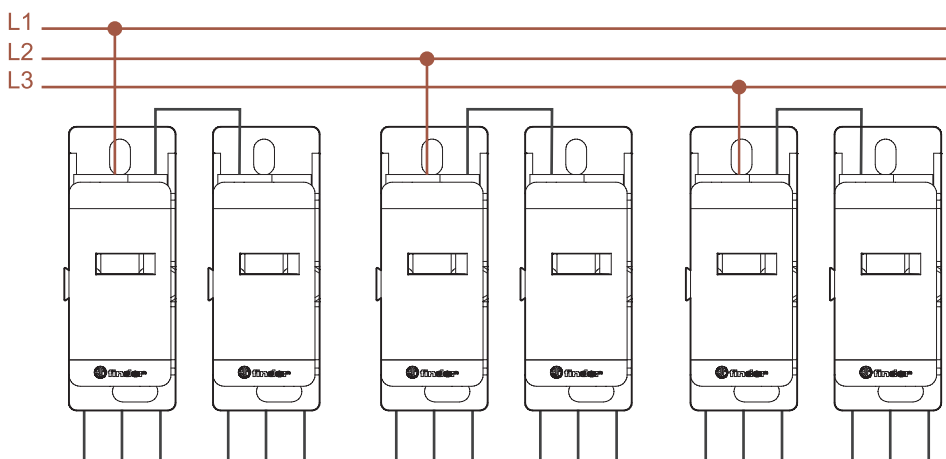


Wiring examples*

Single, pole splitter application. Main power input splits into three outputs.



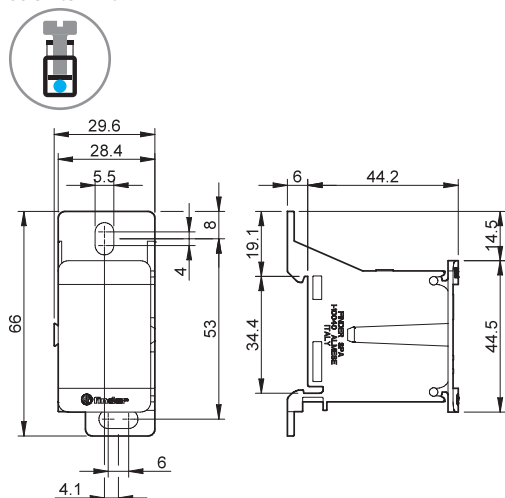
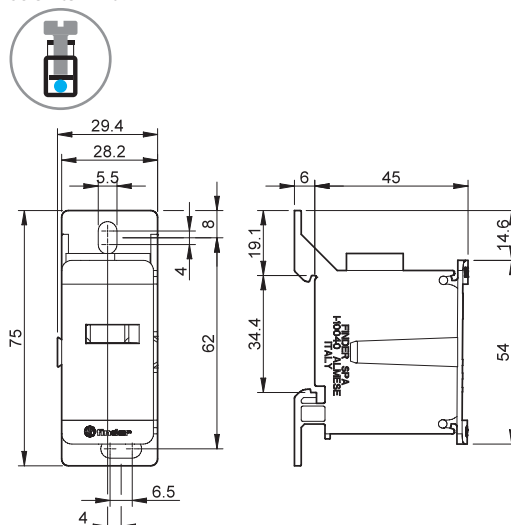
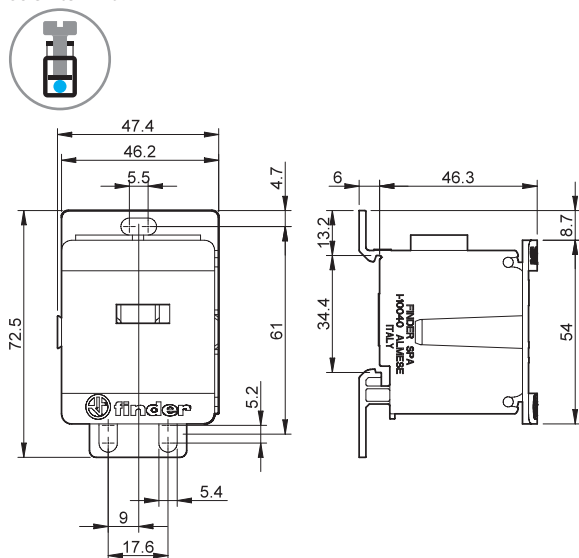
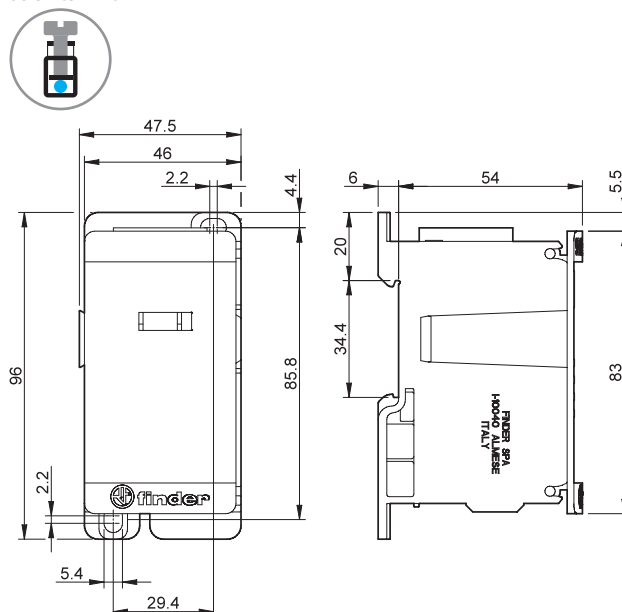
Multiple, pole splitter application: Main power input split into six outputs.



* These are connection examples.

The current capacity of each conductor must comply with the appropriate IEC, UL or CSA standard.

Outline drawings

Type 9D.01.5.080.0304
Screw terminalType 9D.01.5.125.0206
Screw terminalType 9D.01.5.175.0210
Screw terminalType 9D.01.5.250.0111
Screw terminalType 9D.01.5.400.0111
Screw terminal