

High Current Terminal Blocks

9D
SERIES



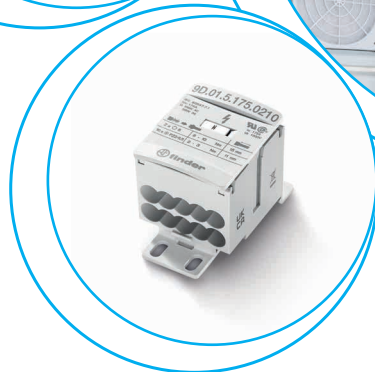
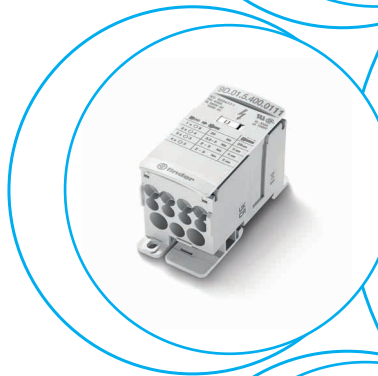
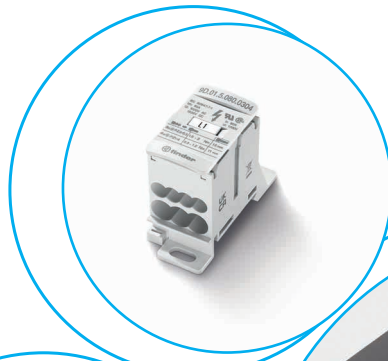
Panels for electrical distribution



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

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...12	2...3	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

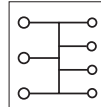
Approvals (according to type)



NEW 9D.01.5.080.0304



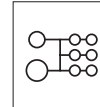
- 80 A
- 7 connections



NEW 9D.01.5.125.0206



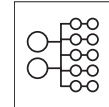
- 125 A
- 8 connections



NEW 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

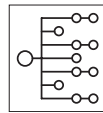
3 configurations available in a single product:

- 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

NEW 9D.01.5.250.0111



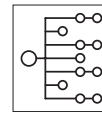
- 250 A
- 12 connections



NEW 9D.01.5.400.0111



- 400 A
- 12 connections



For outline drawing see page 6

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.

9 D . 0 1 . 5 . 1 7 5 . 0 2 1 0

Series _____
Type _____
 01 = Terminal blocks
Supply version _____
 5 = Current
Maximum Current _____
 080 = 80 A
 125 = 125 A
 175 = 175 A
 250 = 250 A
 400 = 400 A

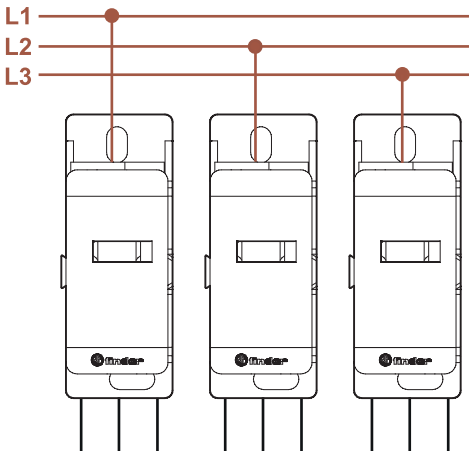
Number of inputs
 01 = 1 input
 02 = 2 inputs (1+1)
 - 9D.01.5.125.0206
 2 inputs
 - 9D.01.5.175.0210
 03 = 3 inputs

Number of output
 04 = 4 outputs
 06 = 6 outputs
 10 = 10 outputs
 11 = 11 outputs

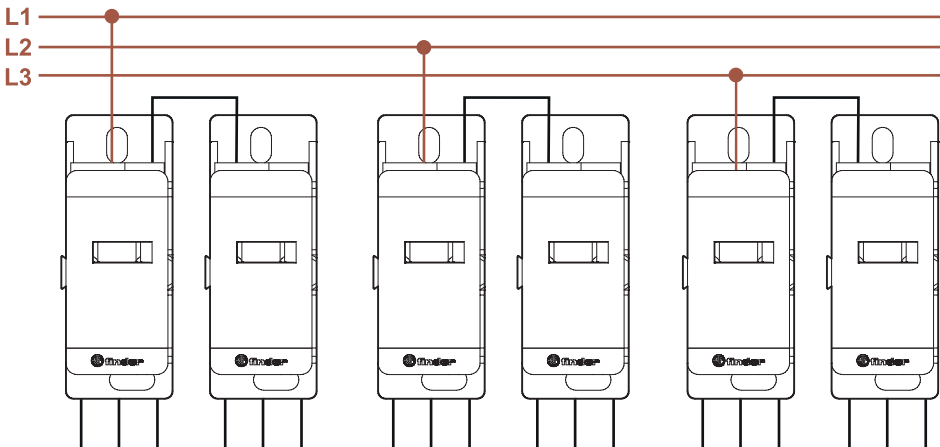
All types
 9D.01.5.080.0304
 9D.01.5.125.0206
 9D.01.5.175.0210
 9D.01.5.250.0111
 9D.01.5.400.0111

Wiring examples*

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



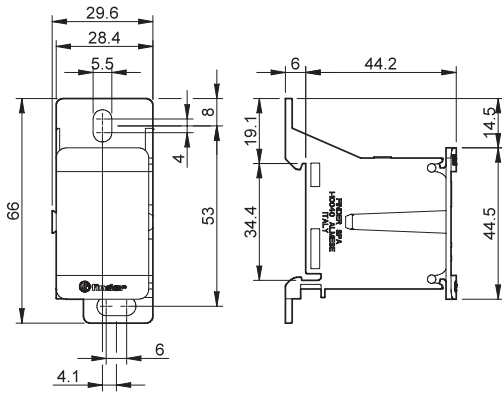
Multiple, pole splitter application: Main power input split into six outputs.



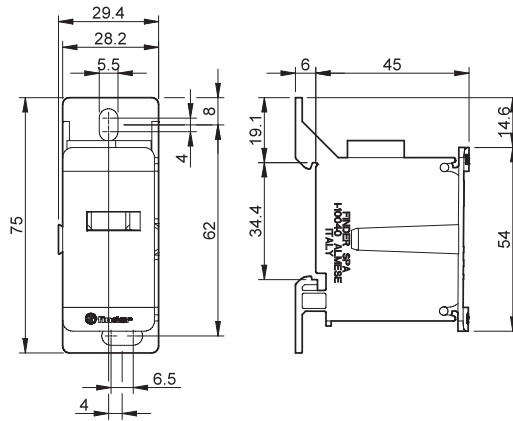
* These are connection examples.
 The current capacity of each conductor must comply with the appropriate IEC, UL or CSA standard.

Outline drawings

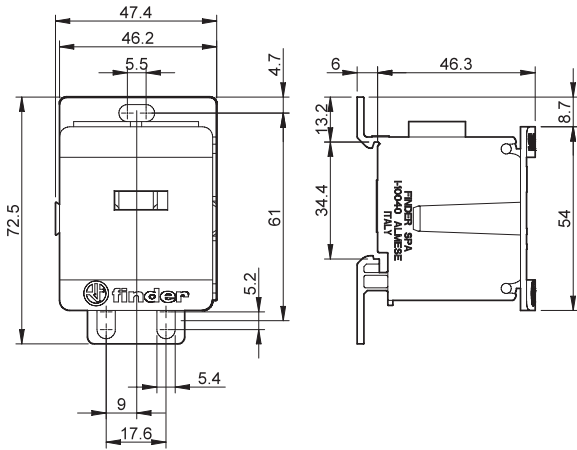
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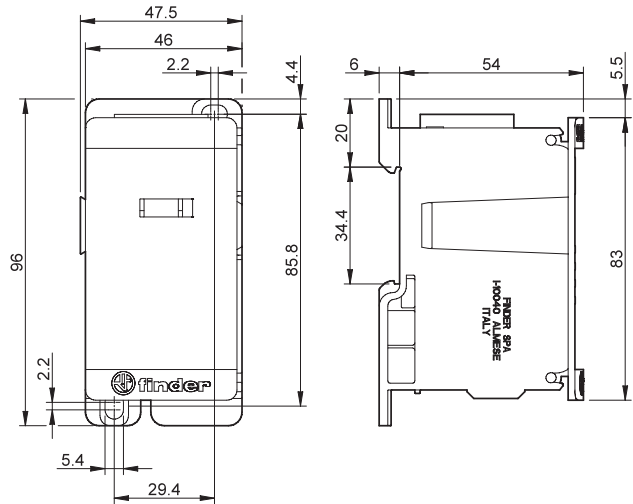
Type 9D.01.5.125.0206



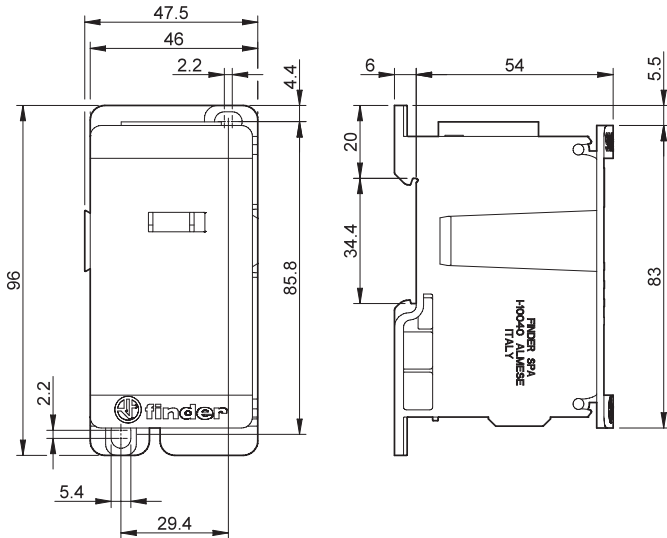
Type 9D.01.5.175.0210



Type 9D.01.5.250.0111



Type 9D.01.5.400.0111



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