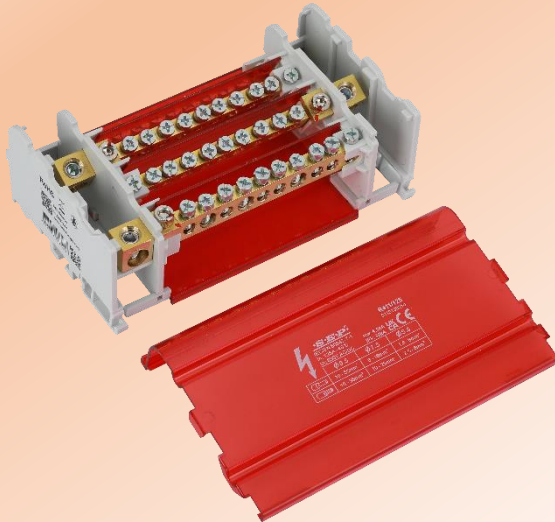


RVT screw type distribution blocks

Data Sheet V1.1



The RVT series from SEP Europe offers robust and reliable screw-type distribution blocks, engineered to meet the highest safety and performance standards in modern electrical installations. Designed in compliance with IEC/EN 60947-7-1, these distribution blocks provide secure and long-lasting connections through proven screw connection technology.

Constructed with a tin-coated brass frame, zinc-coated steel screws, and a PA66 housing with UL94 V0 flammability rating, the RVT series ensures both mechanical durability and electrical reliability. Available in 2-pole and 4-pole versions, the blocks are suitable for a wide range of wiring applications up to 160A, featuring both internal and external connection options.

RVT series – distribution blocks

The RVT series is compliant to product standard IEC/EN 60947-7-1 with the following main technical features

- Screw type (zinc-coated steel)
- Frame of Tin-Coated brass
- Housing PA66
- Flammability class V0 (UL94)
- 2 Pole (row) and 4 Pole (row) versions available
- Up to 160A/690V

Application benefits

- Proven screw connection technology for safe and long-lasting connections
- Internal / External connection for the main wiring.
- Complies with national and international standards for universal application.

CE

UK
CA

CB

RoHS

RVT distribution blocks

R208/80E

80A

Two pole distribution block



R218/80E

80A

Two pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
64 x 50 x 50
80A / 3x 10 + 5x 6

IEC 60947-7-1
CB, CE, UKCA, RoHS
130 x 50 x 50
80A / 6x 10 + 12x 6

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at le	Pdis
Overvoltage category	
Pollution degree	

80A (40°C)
500V AC/DC
2
Internal
8
6kV
4.5kA
20kA
6W
III
3

80A (40°C)
500V AC/DC
2
Internal
18
6kV
4.5kA
20kA
13W
III
3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

A	B
Ø 5.5	Ø 4.5
3	5
Torx / flathead M4X8	Torx / flathead M4X8
2,5 ... 16	1,5 ... 10
1,5 ... 10	0,75 ... 6
1,5 ... 10	0,75 ... 6
2	1.2
8	8
NS 35 (TS35)	

A	B
Ø 5.5	Ø 4.5
6	12
Torx / flathead M4X8	Torx / flathead M4X8
2,5 ... 16	1,5 ... 10
1,5 ... 10	0,75 ... 6
1,5 ... 10	0,75 ... 6
2	1.2
8	8
NS 35 (TS35)	

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

Derating data

Ambient temperature	°C
Derating coefficient	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
78,31 gr
Pass (EN50155)
Pass (EN50155)

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
143,4 gr
Pass (EN50155)
Pass (EN50155)

Ordering data

Version

Type	Qty	Master carton	Order no.
R208/80E	1	138	2112130010

Type	Qty	Master carton	Order no.
R218/80E	1	72	2112130020

RVT distribution blocks

R207/100E

100A

Two pole distribution block



R211/100E

100A

Two pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
64 x 50 x 50
100A / 1x 25 + 3x 6 + 3x4

IEC 60947-7-1
CB, CE, UKCA, RoHS
100 x 50 x 50
100A / 2x 25 + 5x 6 + 4x 4

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at le	Pdis
Overtoltage category	
Pollution degree	

	100A (40°C)
	500V AC/DC
	2
	Internal
	7
	6kV
	4.5kA
	20kA
	6W
	III
	3

	100A (40°C)
	500V AC/DC
	2
	Internal
	11
	6kV
	4.5kA
	20kA
	9W
	III
	3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

	A	B	C
Diameter	Ø 8.5	Ø 5.5	Ø 4.5
Number of connection points	1	3	3
Screw thread	PZ / flathead M5X10	PZ / flathead M4X10	PZ / flathead M4X10
Cross section solid conductor	10 ... 25	2,5 ... 6	1,5 ... 4
Cross section flexible without ferrule	10 ... 25	1,5 ... 6	0.75 ... 4
Cross section flexible with ferrule	10 ... 25	1,5 ... 6	0.75 ... 4
Torque	2~3	2~3	1,2~1,5
Strip length	8.5	8.5	8.5
Type of mounting	NS 35 (TS35)		

	Ø 8.5	Ø 5.5	Ø 4.5
Number of connection points	2	5	4
Screw thread	PZ / flathead M5X10	PZ / flathead M4X10	PZ / flathead M4X10
Cross section solid conductor	10 ... 25	2,5 ... 6	1,5 ... 4
Cross section flexible without ferrule	10 ... 25	1,5 ... 6	0.75 ... 4
Cross section flexible with ferrule	10 ... 25	1,5 ... 6	0.75 ... 4
Torque	2~3	2~3	1,2~1,5
Strip length	8.5	8.5	8.5
Type of mounting	NS 35 (TS35)		

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Screw	Zinc-Coated Steel
Conductor	Brass
Cover	Transparent red polycarbonate
Protection / rail	Transparent red polycarbonate
Housing	PA66
Flammability class	V0
Needle flame test	Pass

Screw	Zinc-Coated Steel
Conductor	Brass
Cover	Transparent red polycarbonate
Protection / rail	Transparent red polycarbonate
Housing	PA66
Flammability class	V0
Needle flame test	Pass

Derating data

Ambient temperature	°C
Derating coefficient	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

	-25 ... 40
	-25 ... 60
	20 ... 90
	30 ... 70
	107,65 gr
	Pass (EN50155)
	Pass (EN50155)

	-25 ... 40
	-25 ... 60
	20 ... 90
	30 ... 70
	160,07 gr
	Pass (EN50155)
	Pass (EN50155)

Ordering data

Version	
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Type	Qty	Master carton	Order no.
R207/100E	1	138	2112130030

Type	Qty	Master carton	Order no.
R211/100E	1	84	2112130040

RVT distribution blocks

R215/100E

100A

Two pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
130 x 50 x 50
100A / 2x 25 + 7x 6 + 6x 4

Technical Data

Electrical data

Rated data	Ie
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at Ie	Pdis
Overvoltage category	
Pollution degree	

	100A (40°C)
	500V AC/DC
	2
	Internal
	15
	6kV
	4.5kA
	20kA
	12W
	III
	3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

	A	B	C
Diameter	Ø 8.5	Ø 5.5	Ø 4.5
Number of connection points	2	7	6
Screw thread	PZ / flathead M5X10	PZ / flathead M4X10	PZ / flathead M4X10
Cross section solid conductor	10 ... 25	2,5 ... 6	1,5 ... 4
Cross section flexible without ferrule	10 ... 25	1,5 ... 6	0.75 ... 4
Cross section flexible with ferrule	10 ... 25	1,5 ... 6	0.75 ... 4
Torque	2~3	2~3	1,2~1,5
Strip length	8.5	8.5	8.5
Type of mounting	NS 35 (TS35)		

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Screw	Zinc-Coated Steel
Conductor	Brass
Cover	Transparent red polycarbonate
Protection / rail	Transparent red polycarbonate
Housing	PA66
Flammability class	V0
Needle flame test	Pass

Derating data

Ambient temperature	°C
Derating coefficient	

	40	45	50	55	60	65	70	75
Derating coefficient	1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at Ie	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

Ambient temperature at Ie	-25 ... 40
Storage temperature	-25 ... 60
Operational humidity	20 ... 90
Storage humidity	30 ... 70
Weight	206,94 gr
Shock test according	Pass (EN50155)
Vibration/broadband noise test	Pass (EN50155)

Ordering data

Version	
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Type	Qty	Master carton	Order no.
R215/100E	1	72	2112130050

RVT distribution blocks

R207/125E

125A

Two pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
64 x 50 x 50
125A / 1x 25 + 1x 16 + 5x6

R211/125E

125A

Two pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
100 x 50 x 50
125A / 2x 25 + 2x 16 + 7x6

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at le	Pdis
Overvoltage category	
Pollution degree	

125A (40°C)		
500V AC/DC		
2		
Internal		
7		
6kV		
4.5kA		
20kA		
8W		
III		
3		

125A (40°C)		
500V AC/DC		
2		
Internal		
11		
6kV		
4.5kA		
20kA		
14W		
III		
3		

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

A	B	C
Ø 8.5	Ø 7.5	Ø 5.3
1	1	5
PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
2~3	2~3	2~3
8.5	8.5	8.5
NS 35 (TS35)		

A	B	C
Ø 8.5	Ø 7.5	Ø 5.3
2	2	7
PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
2~3	2~3	2~3
8.5	8.5	8.5
NS 35 (TS35)		

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

Derating data

Ambient temperature	°C
Derating coefficient	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
106,6 gr
Pass (EN50155)
Pass (EN50155)

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
156,4 gr
Pass (EN50155)
Pass (EN50155)

Ordering data

Version

Type	Qty	Master carton	Order no.
R207/125E	1	138	2112130060

Type	Qty	Master carton	Order no.
R211/125E	1	84	2112130070

RVT distribution blocks

R215/125E

125A

Two pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
130 x 50 x 50
100A / 2x 25 + 2x 16 + 11x6

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at le	Pdis
Overvoltage category	
Pollution degree	

	125A (40°C)
	500V AC/DC
	2
	Internal
	15
	6kV
	4.5kA
	20kA
	17W
	III
	3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

	A	B	C
Diameter	Ø 8.5	Ø 7.5	Ø 5.3
Number of connection points	2	2	11
Screw thread	PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
Cross section solid conductor	10 ... 35	10 ... 25	2,5 ... 6
Cross section flexible without ferrule	10 ... 25	6 ... 16	1,5 ... 6
Cross section flexible with ferrule	10 ... 25	6 ... 16	1,5 ... 6
Torque	2~3	2~3	2~3
Strip length	8.5	8.5	8.5
Type of mounting	NS 35 (TS35)		

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Screw	Zinc-Coated Steel
Conductor	Brass
Cover	Transparent red polycarbonate
Protection / rail	Transparent red polycarbonate
Housing	PA66
Flammability class	V0
Needle flame test	Pass

Derating data

Ambient temperature	°C
Derating coefficient	

	40	45	50	55	60	65	70	75
Derating coefficient	1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

Ambient temperature at le	-25 ... 40
Storage temperature	-25 ... 60
Operational humidity	20 ... 90
Storage humidity	30 ... 70
Weight	203,4 gr
Shock test according	Pass (EN50155)
Vibration/broadband noise test	Pass (EN50155)

Ordering data

Version	
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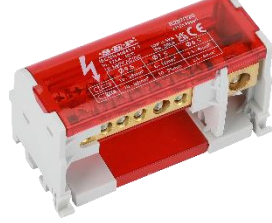
Type	Qty	Master carton	Order no.
R215/125E	1	72	2112130080

RVT distribution blocks

R207/125

125A

Two pole distribution block



R215/125

125A

Two pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
94 x 50 x 50
125A / 1x 35 + 1x 16 + 5x6

IEC 60947-7-1
CB, CE, UKCA, RoHS
162 x 50 x 50
125A / 1x 35 + 3x 16 + 11 x6

Technical Data

Electrical data

Rated data	Ie	125A (40°C)
Rated operational voltage	Ui	690V AC/DC
Number of poles (rows)		2
Line input type		External
Number of connections (each row)		7
Rated impulse withstand	Uimp	8kV
Rated short-time withstand 1s	Icw	4.5kA
Rated peak-withstand	Ipk	30kA
Power dissipation at Ie	Pdis	9W
Overvoltage category		III
Pollution degree		3

125A (40°C)		
690V AC/DC		
2		
External		
7		
8kV		
4.5kA		
30kA		
9W		
III		
3		

125A (40°C)			
690V AC/DC			
2			
External			
15			
8kV			
4.5kA			
25kA			
18W			
III			
3			

Connection data Line/Load

Diameter	mm	Ø 9.5
Number of connection points		1
Screw thread		Hex Socket M8×10
Cross section solid conductor	mm ²	10 ... 35
Cross section flexible without ferrule	mm ²	10 ... 35
Cross section flexible with ferrule	mm ²	10 ... 35
Torque	Nm	6~7
Strip length	mm	13.5
Type of mounting		NS 35 (TS35)

A	B	C
Ø 9.5	Ø 7.5	Ø 5.5
1	1	5
Hex Socket M8×10	PZ / flathead M4X10	PZ / flathead M4X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 35	6 ... 16	1,5 ... 6
10 ... 35	6 ... 16	1,5 ... 6
6~7	2~3	2~3
13.5	8.5	8.5
NS 35 (TS35)		

A	B	C	D
Ø 9.5	Ø 8.5	Ø 7.5	Ø 5.5
1	2	1	11
Hex Socket M8×10	PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 35	10 ... 35	10 ... 25	2,5 ... 6
10 ... 35	10 ... 25	6 ... 16	1,5 ... 6
10 ... 35	10 ... 25	6 ... 16	1,5 ... 6
6~7	2~3	2~3	2~3
13.5	8.5	8.5	8.5
NS 35 (TS35)			

Material data

Screw		Zinc-Coated Steel
Conductor		Brass
Cover		Transparent red polycarbonate
Protection / rail		Transparent red polycarbonate
Housing		PA66
Flammability class	UL94	V0
Needle flame test		Pass

Zinc-Coated Steel						
Brass						
Transparent red polycarbonate						
Transparent red polycarbonate						
PA66						
V0						
Pass						

Zinc-Coated Steel							
Brass							
Transparent red polycarbonate							
Transparent red polycarbonate							
PA66							
V0							
Pass							

Derating data

Ambient temperature	°C	40	45	50	55	60	65	70	75
Derating coefficient		1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at Ie	°C	-25 ... 40
Storage temperature		-25 ... 60
Operational humidity	%	20 ... 90
Storage humidity	%	30 ... 70
Weight		106,6 gr
Shock test according		Pass (EN50155)
Vibration/broadband noise test		Pass (EN50155)

-25 ... 40	
-25 ... 60	
20 ... 90	
30 ... 70	
106,6 gr	
Pass (EN50155)	
Pass (EN50155)	

-25 ... 40	
-25 ... 60	
20 ... 90	
30 ... 70	
156,4 gr	
Pass (EN50155)	
Pass (EN50155)	

Ordering data

Version

Type	Qty	Master carton	Order no.
R207/125	1	96	2112130090

Type	Qty	Master carton	Order no.
R211/125	1	55	2112130100

RVT distribution blocks

R408/80E

80A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
64 x 90 x 50
80A / 3x 10 + 5x 6

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dissipation at le	Pdis
Overvoltage category	
Pollution degree	

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Derating data

Ambient temperature	°C
Derating coefficient	

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

Ordering data

Version

80A (40°C)	
500V AC/DC	
4	
Internal	
8	
6kV	
4.5kA	
20kA	
12W	
III	
3	

A	B
Ø 5.5	Ø 4.5
3	5
Torx / flathead M4X8	Torx / flathead M4X8
2,5 ... 16	1,5 ... 10
1,5 ... 10	0,75 ... 6
1,5 ... 10	0,75 ... 6
2	1.2
8	8

NS 35 (TS35)	
Zinc-Coated Steel	
Brass	
Transparent red polycarbonate	
Transparent red polycarbonate	
PA66	
V0	
Pass	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40	
-25 ... 60	
20 ... 90	
30 ... 70	
152.65 gr	
Pass (EN50155)	
Pass (EN50155)	

Type	Qty	Master carton	Order no.
R408/80E	1	74	2112130110

R413/80E

80A

Four pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
100 x 90 x 50
80A / 5x 10 + 8x 6

80A (40°C)	
500V AC/DC	
4	
Internal	
13	
6kV	
4.5kA	
20kA	
19W	
III	
3	

A	B
Ø 5.5	Ø 4.5
5	8
Torx / flathead M4X8	Torx / flathead M4X8
2,5 ... 16	1,5 ... 10
1,5 ... 10	0,75 ... 6
1,5 ... 10	0,75 ... 6
2	1.2
8	8

NS 35 (TS35)	
Zinc-Coated Steel	
Brass	
Transparent red polycarbonate	
Transparent red polycarbonate	
PA66	
V0	
Pass	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40	
-25 ... 60	
20 ... 90	
30 ... 70	
220.7 gr	
Pass (EN50155)	
Pass (EN50155)	

Type	Qty	Master carton	Order no.
R413/80E	1	50	2112130120

RVT distribution blocks

R418/80E

80A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
130 x 90 x 50
80A / 6x 10 + 12x 6

Technical Data

Electrical data

Rated data	Ie
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at Ie	Pdis
Overvoltage category	
Pollution degree	

80A (40°C)
500V AC/DC
4
Internal
18
6kV
4.5kA
20kA
25W
III
3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

A	B
Ø 5.5	Ø 4.5
6	12
Torx / flathead M4X8	Torx / flathead M4X8
2,5 ... 16	1,5 ... 10
1,5 ... 10	0,75 ... 6
1,5 ... 10	0,75 ... 6
2	1.2
8	8

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

NS 35 (TS35)
Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

Derating data

Ambient temperature	°C
Derating coefficient	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at Ie	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
277.66 gr
Pass (EN50155)
Pass (EN50155)

Ordering data

Version

Type	Qty	Master carton	Order no.
R418/80E	1	40	2112130130

RVT distribution blocks

R407/100E

100A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
64 x 90 x 50
100A / 1x 25 + 3x 6 + 3x4

R411/100E

100A

Four pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
100 x 90 x 50
100A / 2x 25 + 5x 6 + 4x 4

Technical Data

Electrical data

Rated data	Ie	100A (40°C)
Rated operational voltage	Ui	500V AC/DC
Number of poles (rows)		4
Line input type		Internal
Number of connections (each row)		7
Rated impulse withstand	Uimp	6kV
Rated short-time withstand 1s	Icw	4.5kA
Rated peak-withstand	Ipk	20kA
Power dissipation at Ie	Pdis	11W
Overtoltage category		III
Pollution degree		3

Connection data Line/Load

Diameter	mm	Ø 8.5	Ø 5.5	Ø 4.5
Number of connection points		1	3	3
Screw thread		PZ / flathead M5X10	PZ / flathead M4X10	PZ / flathead M4X10
Cross section solid conductor	mm ²	10 ... 25	2,5 ... 6	1,5 ... 4
Cross section flexible without ferrule	mm ²	10 ... 25	1,5 ... 6	0,75 ... 4
Cross section flexible with ferrule	mm ²	10 ... 25	1,5 ... 6	0,75 ... 4
Torque	Nm	2~3	2~3	1,2~1,5
Strip length	mm	8,5	8,5	8,5

Type of mounting

Material data

Screw		Zinc-Coated Steel
Conductor		Brass
Cover		Transparent red polycarbonate
Protection / rail		Transparent red polycarbonate
Housing		PA66
Flammability class	UL94	V0
Needle flame test		Pass

Derating data

Ambient temperature	°C	40	45	50	55	60	65	70	75
Derating coefficient		1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at Ie	°C	-25 ... 40
Storage temperature		-25 ... 60
Operational humidity	%	20 ... 90
Storage humidity	%	30 ... 70
Weight		209.41 gr
Shock test according		Pass (EN50155)
Vibration/broadband noise test		Pass (EN50155)

Rated data	Ie	100A (40°C)
Rated operational voltage	Ui	500V AC/DC
Number of poles (rows)		4
Line input type		Internal
Number of connections (each row)		7
Rated impulse withstand	Uimp	6kV
Rated short-time withstand 1s	Icw	4.5kA
Rated peak-withstand	Ipk	20kA
Power dissipation at Ie	Pdis	11W
Overtoltage category		III
Pollution degree		3

Diameter	mm	Ø 8.5	Ø 5.5	Ø 4.5
Number of connection points		1	3	3
Screw thread		PZ / flathead M5X10	PZ / flathead M4X10	PZ / flathead M4X10
Cross section solid conductor	mm ²	10 ... 25	2,5 ... 6	1,5 ... 4
Cross section flexible without ferrule	mm ²	10 ... 25	1,5 ... 6	0,75 ... 4
Cross section flexible with ferrule	mm ²	10 ... 25	1,5 ... 6	0,75 ... 4
Torque	Nm	2~3	2~3	1,2~1,5
Strip length	mm	8,5	8,5	8,5

Type of mounting

Material data

Screw		Zinc-Coated Steel
Conductor		Brass
Cover		Transparent red polycarbonate
Protection / rail		Transparent red polycarbonate
Housing		PA66
Flammability class	UL94	V0
Needle flame test		Pass

Ambient temperature	°C	40	45	50	55	60	65	70	75
Derating coefficient		1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Ambient temperature at Ie	°C	-25 ... 40
Storage temperature		-25 ... 60
Operational humidity	%	20 ... 90
Storage humidity	%	30 ... 70
Weight		312.29 gr
Shock test according		Pass (EN50155)
Vibration/broadband noise test		Pass (EN50155)

Rated data	Ie	100A (40°C)
Rated operational voltage	Ui	500V AC/DC
Number of poles (rows)		4
Line input type		Internal
Number of connections (each row)		11
Rated impulse withstand	Uimp	6kV
Rated short-time withstand 1s	Icw	4.5kA
Rated peak-withstand	Ipk	20kA
Power dissipation at Ie	Pdis	18W
Overtoltage category		III
Pollution degree		3

Diameter	mm	Ø 8.5	Ø 5.5	Ø 4.5
Number of connection points		2	5	4
Screw thread		PZ / flathead M5X10	PZ / flathead M4X10	PZ / flathead M4X10
Cross section solid conductor	mm ²	10 ... 25	2,5 ... 6	1,5 ... 4
Cross section flexible without ferrule	mm ²	10 ... 25	1,5 ... 6	0,75 ... 4
Cross section flexible with ferrule	mm ²	10 ... 25	1,5 ... 6	0,75 ... 4
Torque	Nm	2~3	2~3	1,2~1,5
Strip length	mm	8,5	8,5	8,5

Type of mounting

Material data

Screw		Zinc-Coated Steel
Conductor		Brass
Cover		Transparent red polycarbonate
Protection / rail		Transparent red polycarbonate
Housing		PA66
Flammability class	UL94	V0
Needle flame test		Pass

Ambient temperature	°C	40	45	50	55	60	65	70	75
Derating coefficient		1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Ambient temperature at Ie	°C	-25 ... 40
Storage temperature		-25 ... 60
Operational humidity	%	20 ... 90
Storage humidity	%	30 ... 70
Weight		312.29 gr
Shock test according		Pass (EN50155)
Vibration/broadband noise test		Pass (EN50155)

Ordering data

Version

Type	Qty	Master carton	Order no.
R407/100E	1	74	2112130140

Version

Type	Qty	Master carton	Order no.
R411/100E	1	50	2112130150

RVT distribution blocks

R415/100E

100A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
130 x 90 x 50
100A / 2x 25 + 7x 6 + 6x 4

Technical Data

Electrical data

Rated data	Ie
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at Ie	Pdis
Overvoltage category	
Pollution degree	

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Derating data

Ambient temperature	°C
Derating coefficient	

Environmental data

Ambient temperature at Ie	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

	100A (40°C)							
	500V AC/DC							
	4							
	Internal							
	15							
	6kV							
	4.5kA							
	20kA							
	23W							
	III							
	3							
	A	B	C					
	Ø 8.5	Ø 5.5	Ø 4.5					
	2	7	6					
		PZ / flathead	PZ / flathead					
PZ / flathead M5X10		M4X10	M4X10					
	10 ... 25	2,5 ... 6	1,5 ... 4					
	10 ... 25	1,5 ... 6	0.75 ... 4					
	10 ... 25	1,5 ... 6	0.75 ... 4					
	2~3	2~3	1,2~1,5					
	8.5	8.5	8.5					
	NS 35 (TS35)							
	Zinc-Coated Steel							
	Brass							
	Transparent red polycarbonate							
	Transparent red polycarbonate							
	PA66							
	V0							
	Pass							
	40	45	50	55	60	65	70	75
	1	0,94	0,88	0,82	0,75	0,67	0,58	0,47
	-25 ... 40							
	-25 ... 60							
	20 ... 90							
	30 ... 70							
	403.88 gr							
	Pass (EN50155)							
	Pass (EN50155)							

Ordering data

Version

Type	Qty	Master carton	Order no.
R415/100E	1	40	2112130160

RVT distribution blocks

R407/125E

125A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
64 x 90 x 50
125A / 1x 25 + 1x 16 + 5x6

R411/125E

125A

Four pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
100 x 90 x 50
125A / 2x 25 + 2x 16 + 7x6

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dissipation at le	Pdis
Overtoltage category	
Pollution degree	

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Derating data

Ambient temperature	°C
Derating coefficient	

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

125A (40°C)
500V AC/DC
4
Internal
7
6kV
4.5kA
20kA
16W
III
3

A	B	C
∅ 8.5	∅ 7.5	∅ 5.3
1	1	5
PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
2~3	2~3	2~3
8.5	8.5	8.5

NS 35 (TS35)
Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
207.6 gr
Pass (EN50155)
Pass (EN50155)

125A (40°C)
500V AC/DC
4
Internal
11
6kV
4.5kA
20kA
27W
III
3

A	B	C
∅ 8.5	∅ 7.5	∅ 5.3
2	2	7
PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
2~3	2~3	2~3
8.5	8.5	8.5

NS 35 (TS35)
Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
305.6 gr
Pass (EN50155)
Pass (EN50155)

Ordering data

Version	
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Type	Qty	Master carton	Order no.
R407/125E	1	74	2112130170

Type	Qty	Master carton	Order no.
R411/125E	1	50	2112130180

RVT distribution blocks

R415/125E

125A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
130 x 90 x 50
100A / 2x 25 + 2x 16 + 11x6

Technical Data

Electrical data

Rated data	le
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at le	Pdis
Overvoltage category	
Pollution degree	

125A (40°C)
500V AC/DC
4
Internal
15
6kV
4.5kA
20kA
35W
III
3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

A	B	C
Ø 8.5	Ø 7.5	Ø 5.3
2	2	11
PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
10 ... 25	6 ... 16	1,5 ... 6
2~3	2~3	2~3
8.5	8.5	8.5
NS 35 (TS35)		

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Zinc-Coated Steel
Brass
Transparent red polycarbonate
Transparent red polycarbonate
PA66
V0
Pass

Derating data

Ambient temperature	°C
Derating coefficient	

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

-25 ... 40
-25 ... 60
20 ... 90
30 ... 70
397.6 gr
Pass (EN50155)
Pass (EN50155)

Ordering data

Version

Type	Qty	Master carton	Order no.
R415/125E	1	40	2112130190

RVT distribution blocks

R407/125

125A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
109 x 90 x 50
125A / 1x 35 + 1x 16 + 5x 6

Technical Data

Electrical data

Rated data	Ie
Rated operational voltage	Ui
Number of poles (rows)	4
Line input type	External
Number of connections (each row)	7
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dissipation at Ie	Pdis
Overtoltage category	III
Pollution degree	3

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Derating data

Ambient temperature	°C
Derating coefficient	

Environmental data

Ambient temperature at Ie	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

Ordering data

Version	
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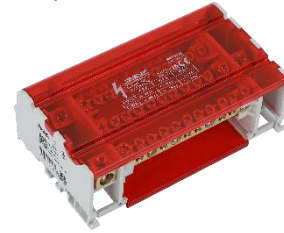
Accessories

Neutral bar	
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R411/125

125A

Four pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
147 x 90 x 50
125A / 1x 35 + 3x 16 + 7x 6

125A (40°C)		
690V AC/DC		
4		
External		
7		
8kV		
4,5kA		
30kA		
18W		
III		
3		
A	B	C
Ø 9.5	Ø 7.5	Ø 5.5
1	1	5
Hex Socket M8x10	PZ / flathead	PZ / flathead
M5X10	M5X10	M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 35	6 ... 16	1,5 ... 6
10 ... 35	6 ... 16	1,5 ... 6
6~7	2~3	2~3
13.5	8.5	8.5

NS 35 (TS35)		
Zinc-Coated Steel		
Brass		
Transparent red polycarbonate		
Transparent red polycarbonate		
PA66		
V0		
Pass		

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40		
-25 ... 60		
20 ... 90		
30 ... 70		
328.17 gr		
Pass (EN50155)		
Pass (EN50155)		

Type	Qty	Master carton	Order no.
R407/125	1	44	2112130200

125A (40°C)		
690V AC/DC		
4		
External		
11		
8kV		
4,5kA		
30kA		
28W		
III		
3		
A	B	C
Ø 9.5	Ø 7.5	Ø 5.5
1	3	7
Hex Socket M8x10	PZ / flathead	PZ / flathead
M5X10	M5X10	M5X10
10 ... 35	10 ... 25	2,5 ... 6
10 ... 35	6 ... 16	1,5 ... 6
10 ... 35	6 ... 16	1,5 ... 6
6~7	2~3	2~3
13.5	8.5	8.5

NS 35 (TS35)		
Zinc-Coated Steel		
Brass		
Transparent red polycarbonate		
Transparent red polycarbonate		
PA66		
V0		
Pass		

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40		
-25 ... 60		
20 ... 90		
30 ... 70		
436.65 gr		
Pass (EN50155)		
Pass (EN50155)		

Type	Qty	Master carton	Order no.
R411/125	1	30	2112130210

Type	Qty	Master carton	Order no.
RNB125	5	90	2112130250

RVT distribution blocks

R415/125

125A

Four pole distribution block



Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

IEC 60947-7-1
CB, CE, UKCA, RoHS
182 x 90 x 50
125A / 1x 35 + 2x 25 + 1x 16 + 11x 6

Technical Data

Electrical data

Rated data	Ie	125A (40°C)
Rated operational voltage	Ui	690V AC/DC
Number of poles (rows)		4
Line input type		External
Number of connections (each row)		15
Rated impulse withstand	Uimp	8kV
Rated short-time withstand 1s	Icw	4.5kA
Rated peak-withstand	Ipk	21kA
Power dissipation at Ie	Pdis	38W
Overvoltage category		III
Pollution degree		3

Connection data Line/Load

Diameter	mm	
Number of connection points		
Screw thread		
Cross section solid conductor	mm ²	
Cross section flexible without ferrule	mm ²	
Cross section flexible with ferrule	mm ²	
Torque	Nm	
Strip length	mm	
Type of mounting		

	A	B	C	D
Diameter	Ø 9.5	Ø 8.5	Ø 7.5	Ø 5.5
Number of connection points	1	2	1	11
Screw thread	Hex Socket M8x10	PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
Cross section solid conductor	10 ... 35	10 ... 35	10 ... 25	2,5 ... 6
Cross section flexible without ferrule	10 ... 35	10 ... 25	6 ... 16	1,5 ... 6
Cross section flexible with ferrule	10 ... 35	10 ... 25	6 ... 16	1,5 ... 6
Torque	6~7	2~3	2~3	2~3
Strip length	13.5	8.5	8.5	8.5
Type of mounting	NS 35 (TS35)			

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Screw	Zinc-Coated Steel
Conductor	Brass
Cover	Transparent red polycarbonate
Protection / rail	Transparent red polycarbonate
Housing	PA66
Flammability class	V0
Needle flame test	Pass

Derating data

Ambient temperature	°C	
Derating coefficient		

	40	45	50	55	60	65	70	75
Derating coefficient	1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

Environmental data

Ambient temperature at Ie	°C	-25 ... 40
Storage temperature		-25 ... 60
Operational humidity	%	20 ... 90
Storage humidity	%	30 ... 70
Weight		544.17 gr
Shock test according		Pass (EN50155)
Vibration/broadband noise test		Pass (EN50155)

Ordering data

Version

Type	Qty	Master carton	Order no.
R415/125	1	24	2112130220

Accessories

Neutral bar

Type	Qty	Master carton	Order no.
RNB125	5	90	2112130250

RVT distribution blocks

Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

Technical Data

Electrical data

Rated data	Ie
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at Ie	Pdis
Overtoltage category	
Pollution degree	

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

Material data

Screw	
Conductor	
Cover	
Protection / rail	
Housing	
Flammability class	UL94
Needle flame test	

Derating data

Ambient temperature	°C
Derating coefficient	

Environmental data

Ambient temperature at le	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

Ordering data

Version	
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Accessories

Neutral bar	
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R412/160

160A

Four pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
175 x 90 x 50
160A / 1x 50 + 3x 25 + 7x 16 + 1x 6

160A (40°C)			
690V AC/DC			
4			
External			
12			
8kV			
8.2kA			
35kA			
34W			
III			
3			

A	B	C	D
∅ 12	∅ 8.5	∅ 7.2	∅ 5.5
1	3	7	1
Hex Socket M12x10	PZ / flathead M5X10	PZ / flathead M5X10	PZ / flathead M5X10
10 ... 50	10 ... 35	2,5 ... 16	2,5 ... 6
10 ... 50	10 ... 25	1,5 ... 16	1,5 ... 6
10 ... 50	10 ... 25	1,5 ... 16	1,5 ... 6
8~10	2~3	2~3	2~3
19	12	12	12
NS 35 (TS35)			

Zinc-Coated Steel			
Brass			
Transparent red polycarbonate			
Transparent red polycarbonate			
PA66			
V0			
Pass			

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40							
-25 ... 60							
20 ... 90							
30 ... 70							
716.4 gr							
Pass (EN50155)							
Pass (EN50155)							

Type	Qty	Master carton	Order no.
R412/160	1	23	2112130230

Type	Qty	Master carton	Order no.
RNB160	5	110	2112130260

R412/160H

160A

Four pole distribution block



IEC 60947-7-1
CB, CE, UKCA, RoHS
170 x 90 x 70
160A / 1x50 + 3x 25 + 8x 16

160A (40°C)		
690V AC/DC		
4		
External		
12		
8kV		
8.2kA		
35kA		
38W		
III		
3		

A	B	C
∅ 11.5	∅ 8.5	∅ 7
1	3	8
Hex Socket M10x12	PZ / flathead M5X12.5	PZ / flathead M5X12.5
10 ... 50	10 ... 35	2,5 ... 16
10 ... 50	10 ... 25	1,5 ... 16
10 ... 50	10 ... 25	1,5 ... 16
8~10	2~3	2~3
16	12	12
NS 35 (TS35)		

Zinc-Coated Steel		
Brass		
Transparent red polycarbonate		
Transparent red polycarbonate		
PA66		
V0		
Pass		

40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47

-25 ... 40							
-25 ... 60							
20 ... 90							
30 ... 70							
729.01 gr							
Pass (EN50155)							
Pass (EN50155)							

Type	Qty	Master carton	Order no.
R412/160H	1	18	2112130240

Type	Qty	Master carton	Order no.
RNB160	5	110	2112130260

RVT distribution blocks ACCESSOIRES

Conform	
Approvals	
Width/Height/ Depth	mm
Max. current / Nom. cross section	A/mm ²

Technical Data

Electrical data

Rated data	Ie
Rated operational voltage	Ui
Number of poles (rows)	
Line input type	
Number of connections (each row)	
Rated impulse withstand	Uimp
Rated short-time withstand 1s	Icw
Rated peak-withstand	Ipk
Power dispensation at Ie	Pdis
Overvoltage category	
Pollution degree	

Connection data Line/Load

Diameter	mm
Number of connection points	
Screw thread	
Cross section solid conductor	mm ²
Cross section flexible without ferrule	mm ²
Cross section flexible with ferrule	mm ²
Torque	Nm
Strip length	mm
Type of mounting	

Material data

Screw	
Conductor	
Cover	
Housing	
Flammability class	UL94
Needle flame test	

Derating data

Ambient temperature	°C
Derating coefficient	

Environmental data

Ambient temperature at Ie	°C
Storage temperature	
Operational humidity	%
Storage humidity	%
Weight	
Shock test according	
Vibration/broadband noise test	

Ordering data

Version	
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RNB125

125A

Neutral bar



IEC 60947-7-1
CE, UKCA, RoHS
142 x 38 x 38
125A / 4x 16 + 9x 6

125A (40°C)							
690V AC/DC							
1							
Internal							
13							
8kV							
4.5kA							
30kA							
9W							
III							
3							
A	B						
∅ 7.5	∅ 5.5						
4	9						
PZ / flathead M5X12.5	PZ / flathead M5X12.5						
10 ... 25	2,5 ... 6						
6 ... 16	1,5 ... 6						
6 ... 16	1,5 ... 6						
2~3	2~3						
8.5	8.5						
R411/125 - R415/125							
Zinc-Coated Steel							
Brass							
Transparent red polycarbonate							
PA66							
V0							
Pass							
40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47
-25 ... 40							
-25 ... 60							
20 ... 90							
30 ... 70							
173.65 gr							
Pass (EN50155)							
Pass (EN50155)							

Type	Qty	Master carton	Order no.
RNB125	5	90	2112130250

RNB160

160A

Neutral bar



IEC 60947-7-1
CE, UKCA, RoHS
168 x 42 x 38
160A / 4x 16 + 10x 16

160A (40°C)							
690V AC/DC							
1							
Internal							
14							
8kV							
6.2kA							
35kA							
8W							
III							
3							
A	B						
∅ 8.5	∅ 7.2						
4	10						
PZ / flathead M5X12.5	PZ / flathead M5X12.5						
10 ... 35	2,5 ... 16						
10 ... 25	1,5 ... 16						
10 ... 25	1,5 ... 16						
2~3	2~3						
12	12						
R412/160 - R412/160H							
Zinc-Coated Steel							
Brass							
Transparent red polycarbonate							
PA66							
V0							
Pass							
40	45	50	55	60	65	70	75
1	0,94	0,88	0,82	0,75	0,67	0,58	0,47
-25 ... 40							
-25 ... 60							
20 ... 90							
30 ... 70							
195.08 gr							
Pass (EN50155)							
Pass (EN50155)							

Type	Qty	Master carton	Order no.
RNB160	5	110	2112130260

Order code	Reference	GTIN	Inner packing				Outer packing				Country of Origin	Custom Tarif no.
			QTY	Type	Size (mm)	Weight/kg	QTY	Type	Size (cm)	Weight/kg		
2112130010	R208/80E	8718959083075	1	CT	70*52*55	0,09	138	CT	42*24.5*34	13,4	CN	85369010
2112130020	R218/80E	8718959083082	1	CT	135*52*55	0,16	72	CT	42*24.5*34	12,64	CN	85369010
2112130030	R207/100E	8718959083099	1	CT	70*52*55	0,12	138	CT	42*24.5*34	16,98	CN	85369010
2112130040	R211/100E	8718959083105	1	CT	107*55*55	0,18	84	CT	42*24.5*34	15,01	CN	85369010
2112130050	R215/100E	8718959083112	1	CT	135*52*55	0,22	72	CT	42*24.5*34	16,68	CN	85369010
2112130060	R207/125E	8718959083129	1	CT	70*52*55	0,12	138	CT	42*24.5*34	16,92	CN	85369010
2112130070	R211/125E	8718959083136	1	CT	107*55*55	0,17	84	CT	42*24.5*34	14,98	CN	85369010
2112130080	R215/125E	8718959083143	1	CT	135*52*55	0,22	72	CT	42*24.5*34	16,6	CN	85369010
2112130090	R207/125	8718959083150	1	CT	98*52*55	0,18	96	CT	42*24.5*34	17,32	CN	85369010
2112130100	R215/125	8718959083167	1	CT	168*52*57	0,29	55	CT	42*24.5*34	16,43	CN	85369010
2112130110	R408/80E	8718959083174	1	CT	92*70*55	0,17	74	CT	42*24.5*34	13,51	CN	85369010
2112130120	R413/80E	8718959083181	1	CT	105*93*55	0,25	50	CT	42*24.5*34	13,14	CN	85369010
2112130130	R418/80E	8718959083198	1	CT	135*90*55	0,31	40	CT	42*24.5*34	13,24	CN	85369010
2112130140	R407/100E	8718959083204	1	CT	92*70*55	0,23	74	CT	42*24.5*34	17,28	CN	85369010
2112130150	R411/100E	8718959083211	1	CT	105*93*55	0,34	50	CT	42*24.5*34	17,7	CN	85369010
2112130160	R415/100E	8718959083228	1	CT	135*90*55	0,43	40	CT	42*24.5*34	18,22	CN	85369010
2112130170	R407/125E	8718959083235	1	CT	92*70*55	0,23	74	CT	42*24.5*34	17,13	CN	85369010
2112130180	R411/125E	8718959083242	1	CT	105*93*55	0,33	50	CT	42*24.5*34	17,84	CN	85369010
2112130190	R415/125E	8718959083259	1	CT	135*90*55	0,43	40	CT	42*24.5*34	17,6	CN	85369010
2112130200	R407/125	8718959083266	1	CT	115*95*55	0,35	44	CT	42*24.5*34	15,96	CN	85369010
2112130210	R411/125	8718959083273	1	CT	155*95*60	0,47	30	CT	42*24.5*34	14,73	CN	85369010
2112130220	R415/125	8718959083280	1	CT	190*95*55	0,58	24	CT	42*24.5*34	14,42	CN	85369010
2112130230	R412/160	8718959083297	1	CT	179*100*58	0,76	23	CT	38*29*28.5	18,66	CN	85369010
2112130240	R412/160H	8718959083303	1	CT	175*92*75	0,77	18	CT	38*29*28.5	15,12	CN	85369010
2112130250	RNB125	8718959083310	5	CT	155*95*60	0,9	90	CT	32.5*30*18.5	16,7	CN	85369010
2112130260	RNB160	8718959083327	5	CT	179*100*58	1,02	110	CT	38*29*28.5	23,3	CN	85369010