



OJL Distribusjonsblokker

OJL distribution blocks

GENERAL: OJL distribution blocks offer the best quality on the market in addition to features, that increase the safety and ease of installation of the connectors and enables versatile end usage applications. Pre-greased contact spaces and the connection done with hex screws guarantee easy and quick installation. The compact size of the connectors ensures efficient use of space even in tighter installation spaces.

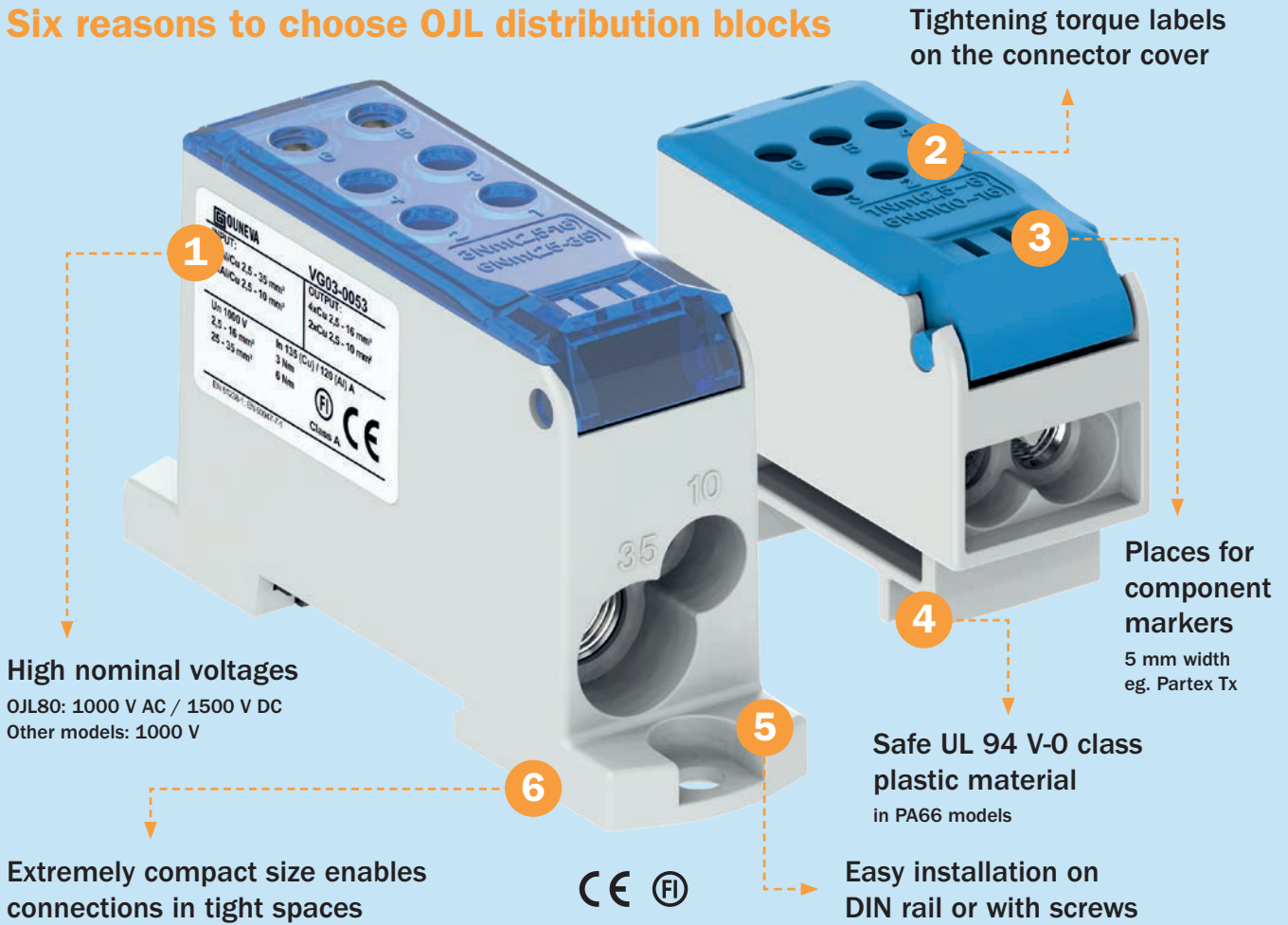
USE: OJL distribution blocks are used for branching connections in electrical devices. OJL distribution blocks can be used with aluminium and copper wires. Installation can be done with screws

or onto a DIN-rail. The new OJL 80 & 135 distribution blocks can be connected in series. In other models, the input is through one conductor. Outputs can be done between the connector models with 6, 7 or 11 conductors. Branching connections can be also done with input conductors up to 240mm² and busbars up to 10x(1x24).

MATERIALS: The body of the distribution blocks is tin plated aluminium. Insulating cover is made of UL 94 V-0 polyamide.

STANDARDS: EN 60947-7-1:2009, EN 61238-1:2003

Six reasons to choose OJL distribution blocks



Certification and product safety

When choosing electrical connector, always make sure to select reliable and safe, certified connector. The requirements for connectors used with copper conductors inside switchgears and similar appliances are specified in standard EN 60947-7-1:2009.

All connectors used inside switchgears or similar appliances must fulfil these requirements.

The requirements for connectors designated to be used with aluminium power cables are specified in standard EN 61238-1:2003.

Connectors that have been tested and certified in accordance with standard EN 61238-1:2003 are divided into two classes.

- Class A (short circuit tested) - usage examples: feed-in connections, switchgears/appliances, universal
- Class B (not short circuit tested) - usage limited only to special circuits protected by fast-acting fuses

Ouneva OTL-connectors are tested and certified class A connectors, that are compatible with copper and aluminium conductors.

For choosing safe and reliable connector, always make sure that the terminal is equipped with CE and Class A markings with the symbol of certifying institute, for example FI -mark.

OJL distribution blocks OJL 80

NEW

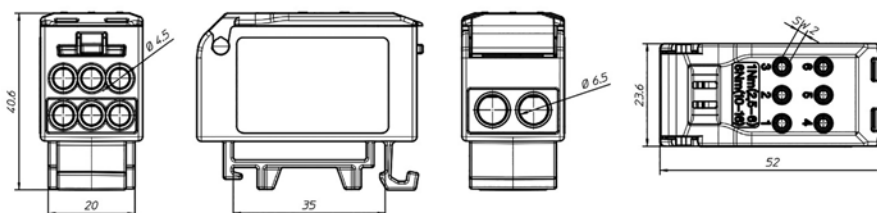


STK code	Product code	Product name	Input connector (mm ²)	Output connector (mm ²)	Un (V)	In (A)	Tightening torque	Weight (g)
1914376	VG03-0059	OJL 80 Grey	2xAl/Cu 2,5-16	6xCu 2,5-6	1000 (AC) / 1500 (DC)	80 (Cu) / 75 (Al)	1 Nm (2,5-6 mm ²), 6 Nm (2,5-16 mm ²)	38
1914377	VG03-0060	OJL 80 Blue	2xAl/Cu 2,5-16	6xCu 2,5-6	1000 (AC) / 1500 (DC)	80 (Cu) / 75 (Al)	1 Nm (2,5-6 mm ²), 6 Nm (2,5-16 mm ²)	38
1914378	VG03-0061	OJL 80 Green	2xAl/Cu 2,5-16	6xCu 2,5-6	1000 (AC) / 1500 (DC)	80 (Cu) / 75 (Al)	1 Nm (2,5-6 mm ²), 6 Nm (2,5-16 mm ²)	38
1914379	VG03-0068	OJL 80 Grey PA66	2xAl/Cu 2,5-16	6xCu 2,5-6	1000 (AC) / 1500 (DC)	80 (Cu) / 75 (Al)	1 Nm (2,5-6 mm ²), 6 Nm (2,5-16 mm ²)	38
1914380	VG03-0069	OJL 80 Blue PA66	2xAl/Cu 2,5-16	6xCu 2,5-6	1000 (AC) / 1500 (DC)	80 (Cu) / 75 (Al)	1 Nm (2,5-6 mm ²), 6 Nm (2,5-16 mm ²)	38
1914381	VG03-0070	OJL 80 Green PA66	2xAl/Cu 2,5-16	6xCu 2,5-6	1000 (AC) / 1500 (DC)	80 (Cu) / 75 (Al)	1 Nm (2,5-6 mm ²), 6 Nm (2,5-16 mm ²)	38

New in the OJL distribution block product range!

The single pole OJL 80 is used for branching connections in electrical devices, and it is approved to be used with 1000 V AC and 1500 V DC voltages.

Input is with 2xAl/Cu 2,5-16mm² cables.
The connector has six cable outputs:
6xCu 2,5-6mm². DIN rail installation.



OJL distribution blocks OJL 135

NEW

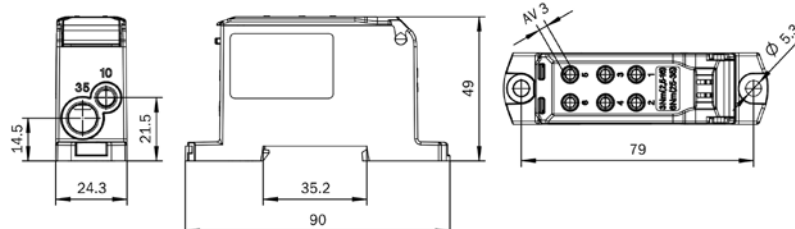


STK code	Product code	Product name	Input connector (mm ²)	Output connector (mm ²)	Un (V)	In (A)	Tightening torque	Weight (g)
19 143 57	VG03-0052	OJL 135 Grey	1xAl/Cu 2,5-35 / 1xAl/Cu 2,5-10	4xCu 2,5-16, 2xCu 2,5-10	1000	135 (Cu) / 120 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²)	75
19 143 58	VG03-0053	OJL 135 Blue	1xAl/Cu 2,5-35 / 1xAl/Cu 2,5-10	4xCu 2,5-16, 2xCu 2,5-10	1000	135 (Cu) / 120 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²)	75
19 143 59	VG03-0054	OJL 135 Green	1xAl/Cu 2,5-35 / 1xAl/Cu 2,5-10	4xCu 2,5-16, 2xCu 2,5-10	1000	135 (Cu) / 120 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²)	75
19 143 60	VG03-0065	OJL 135 Grey PA66	1xAl/Cu 2,5-35 / 1xAl/Cu 2,5-10	4xCu 2,5-16, 2xCu 2,5-10	1000	135 (Cu) / 120 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²)	75
19 143 61	VG03-0066	OJL 135 Blue PA66	1xAl/Cu 2,5-35 / 1xAl/Cu 2,5-10	4xCu 2,5-16, 2xCu 2,5-10	1000	135 (Cu) / 120 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²)	75
19 143 62	VG03-0067	OJL 135 Green PA66	1xAl/Cu 2,5-35 / 1xAl/Cu 2,5-10	4xCu 2,5-16, 2xCu 2,5-10	1000	135 (Cu) / 120 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²)	75

The single pole OJL 135 is used for branching connections in electrical devices. The connector can be series connected.

Input wirings either 1xAl/Cu 2,5-35 mm²
or 1xAl/Cu 2,5-10 mm². Output wirings
4xCu (2,5-16 mm²), 2xCu (2,5-10 mm²).

DIN-rail / screw mounting.



OJL distribution blocks OJL 200

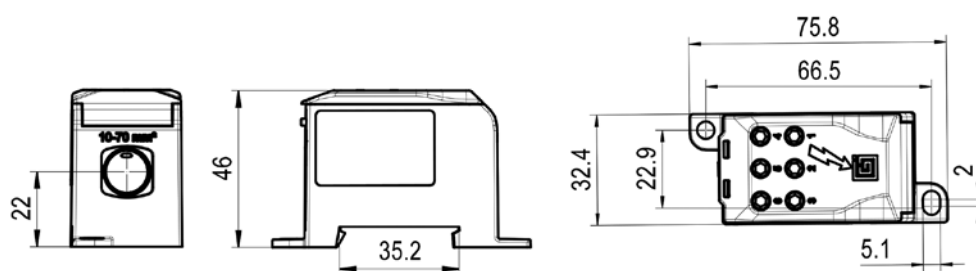


STK code	Product code	Product name	Input connector (mm ²)	Output connector (mm ²)	Un (V)	In (A)	Tightening torque	Weight (g)
19 120 09	VG03-0006	OJL 200 Grey	1xAl/Cu 10-70	6xCu 2,5-16	1000	200 (Cu) / 160 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²), 10 Nm (50-70 mm ²)	84
19 123 90	VG03-0031	OJL 200 Blue	1xAl/Cu 10-70	6xCu 2,5-16	1000	200 (Cu) / 160 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²), 10 Nm (50-70 mm ²)	84
19 123 92	VG03-0032	OJL 200 Green	1xAl/Cu 10-70	6xCu 2,5-16	1000	200 (Cu) / 160 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²), 10 Nm (50-70 mm ²)	84

The single pole distribution block OJL 200 for branching connections. Distributes the current through 6 output cables.

Input wiring 1xAl/Cu (10-70mm²).
Output wirings 6xCu (2,5-16mm²).

DIN-rail / screw mounting.



OJL distribution blocks OJL 280

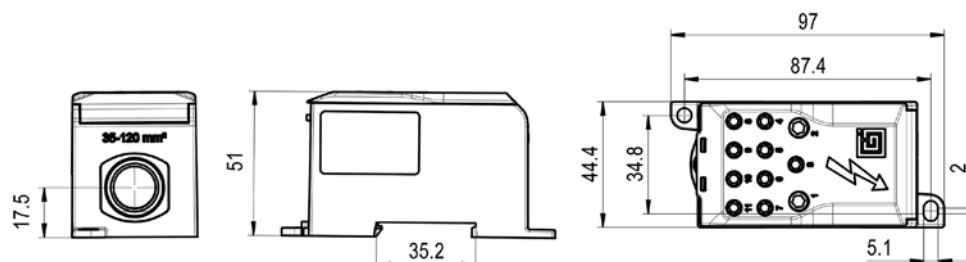


STK code	Product code	Product name	Input connector (mm ²)	Output connector (mm ²)	Un (V)	In (A)	Tightening torque	Weight (g)
19 120 08	VG03-0003	OJL 280 Grey	1xAl/Cu 35-120	2xCu 6-35, 5xCu 2,5-16, 4xCu 2,5-10	1000	280 (Cu) / 250 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²), 10 Nm (50-70 mm ²), 19 Nm (95-120 mm ²)	178
19 123 88	VG03-0033	OJL 280 Blue	1xAl/Cu 35-120	2xCu 6-35, 5xCu 2,5-16, 4xCu 2,5-10	1000	280 (Cu) / 250 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²), 10 Nm (50-70 mm ²), 19 Nm (95-120 mm ²)	178
19 123 89	VG03-0034	OJL 280 Green	1xAl/Cu 35-120	2xCu 6-35, 5xCu 2,5-16, 4xCu 2,5-10	1000	280 (Cu) / 250 (Al)	3 Nm (2,5-16 mm ²), 6 Nm (25-35 mm ²), 10 Nm (50-70 mm ²), 19 Nm (95-120 mm ²)	178

The single pole distribution block OJL 280 for branching connections. Distributes the current through 11 output cables.

Input wiring 1xAl/Cu (35-120mm²).
Output wirings 2xCu (6-35 mm²),
5xCu (2,5-16mm²) and
4xCu (2,5-10mm²).

DIN-rail / screw mounting.



OJL distribution blocks OJL 400 C/S



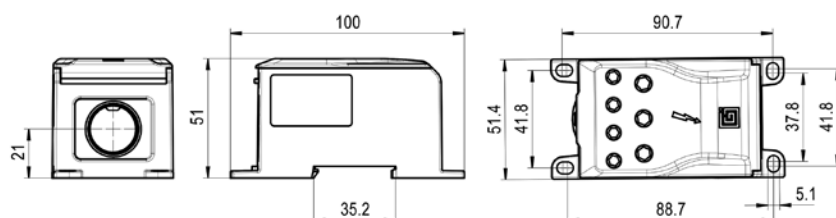
STK code	Product code	Product name*	Input connector (mm²)	Output connector (mm²)	Un (V)	In (A)	Tightening torque	Weight (g)
19 120 93	VG03-0007	OJL 400 C Grey	1xAl/Cu 95-240	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (2,5-35 mm²), 10 Nm (50-70 mm²), 25 Nm (95-240 mm²)	250
19 123 93	VG03-0035	OJL 400 C Blue	1xAl/Cu 95-240	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (2,5-35 mm²), 10 Nm (50-70 mm²), 25 Nm (95-240 mm²)	250
19 123 94	VG03-0036	OJL 400 C Green	1xAl/Cu 95-240	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (2,5-35 mm²), 10 Nm (50-70 mm²), 25 Nm (95-240 mm²)	250
19 120 94	VG03-0008	OJL 400 C S	1xAl/Cu 95-240	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (2,5-35 mm²), 10 Nm (50-70 mm²), 25 Nm (95-240 mm²)	250

*Clarification for model name: S = "Sealing", model can be sealed

OJL 400 C and CS distribution blocks represent an option input for aluminium or copper cables with cross section range of 95-240mm². 400 C S model also include an option for cover sealing. The single pole distribution block OJL 400 C/S for branching connections.

Distributes the current through 7 output cables. Input wiring 1xAl/Cu (95-240 mm²). Output wirings 3xCu (6-50 mm²) / 4xCu (2,5-35mm²)

DIN-rail / screw mounting.



OJL distribution blocks OJL FBB/FBB S



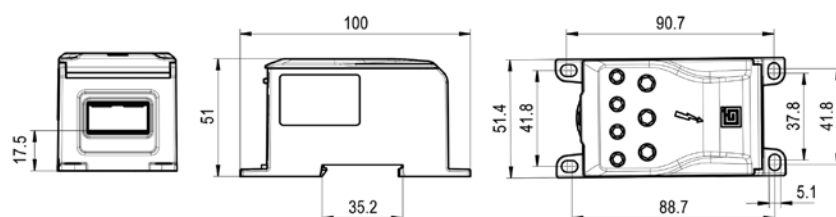
STK code	Product code	Product name*	Input connector (mm²)	Output connector (mm²)	Un (V)	In (A)	Tightening torque	Weight (g)
19 120 95	VG03-0009	OJL 400 FBB Grey	Flexible busbar Cu 10x(1x24)	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (busbar), 6 Nm (2,5-35 mm²), 10 Nm (6-50 mm²)	247
19 123 95	VG03-0037	OJL 400 FBB Blue	Flexible busbar Cu 10x(1x24)	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (busbar), 6 Nm (2,5-35 mm²), 10 Nm (6-50 mm²)	247
19 123 96	VG03-0038	OJL 400 FBB Green	Flexible busbar Cu 10x(1x24)	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (busbar), 6 Nm (2,5-35 mm²), 10 Nm (6-50 mm²)	247
19 120 96	VG03-0010	OJL 400 FBB S	Flexible busbar Cu 10x(1x24)	4xCu 2,5-35, 3xCu 6-50	1000	600 (Cu) / 380 (Al)	6 Nm (busbar), 6 Nm (2,5-35 mm²), 10 Nm (6-50 mm²)	247

*Clarification for model name: S = "Sealing", model can be sealed

OJL 400 FBB and FBB S distribution blocks represent an option for using flexible busbar as input. 400 FBB S and C S models also include an option for cover sealing. The single pole distribution block OJL 400 FBB for branching connections.

Distributes the current through 7 output cables. Input busbar Cu 10x(1x24). Output wirings 3xCu (6-50 mm²) / 4xCu (2,5-35mm²)

DIN-rail / screw mounting.





VIKTIG Å VITE VED VALG AV KOBLINGSKLEMMER

Sertifisering og produksikkerhet.

Ved valg av elektriske koblingsklemmer er det viktig å forsikre seg om at man velger sikre og sertifiserte produkter. Ved bruk av klemmer internt i en EI-tavle gjelder EN 60947-7-1.

Det er imidlertid viktig å vite at denne normen kun omhandler tilkobling av Cu-kabler. Kravene til klemmer som er beregnet for tilkobling av aluminiumskabler er spesifisert i standard EN 61238-1. Denne Europa-normen er delt inn i klasse A og B.

Klasse A:

Dette er koblingslemmer beregnet for fordelingstavler og industrielle anlegg som kan bli utsatt for kortslutninger med relativt høy intensitet og varighet. Som en konsekvens av dette er klasse A klemmene egnet til de fleste applikasjoner.

Klasse B:

Dette er koblingslemmer beregnet for fordelinger der overbelastning eller kortslutninger raskt vil bli tatt hånd om av installert beskyttelse f.eks. ultra kvikke sikringer.

Avhengig av applikasjonen blir koblingsklemmene utsatt for følgende tester:

- Klasse A: Varmesyklus- og kortslutnings tester.
- Klasse B: Kun varmesyklustester.

I praksis vil dette si at koblingsklemmer som kun er testet iht klasse B, må ha en tilleggsskyttelse mot overbelastning og kortslutning.

Dvs ultrakvikke sikringer eller lignende.

Koblingsklemmene som vi i Kontram leverer fra vår finske leverandør Ouneva er alle testet iht. EN 61238-1 Klasse A.

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