

LOAD TRANSFER SWITCH UP TO 200A

1. MAIN FEATURES

The changeover switch is installed vertically

Changeover switch status Leds indicators

Available from 16 to 200A

Available for 4 poles

Auxiliary contacts with the changeover switch position

Command in 12 or 24 Vdc

Frequency 50/60Hz

Insulation voltage of 690Vac

Frame with galvanized steel plate CL I

Frame in polyester CL II

Frame for wall application

Removable plate with sealing gasket

Allows easy passage of connections cables

Meet standards IEC and NEMA

LTS INCLUDES

Switchboard

Changeover switch – Brand Grupel

Fuses for voltage references

Fixation accessories – For easy installation

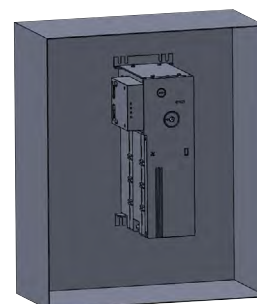
MODEL	CURRENT (A)	H (MM)	W (MM)	D (MM)	INSULATION CLASS	IP	IK	COLOUR	WEIGHT (KG)*
Q0100.0016	16 - 100	500	400	200	I	IP54	IK07	RAL 7032	16
Q0100.0017					II	IP66	IK10	RAL 7035	10
Q0160.0008	125 - 200	600	500	250	I	IP54	IK07	RAL 7032	26
Q0160.0009		750		420	II	IP55	IK10	RAL 7035	18

*preliminary data

2. CHANGEOVER SWITCH CONNECTION INSTRUCTIONS

In the connection of the changeover switch cables, please follow the steps below:

- Connect earthing;
- Connect the power cables with the right sequence;
- Signals connections according to electrical diagram represented ahead.



Note: Grupel reserves the right to change, without prior notice, any information included in this document. (August 2022)



LOAD TRANSFER SWITCH 250A UP TO 630A

1. MAIN FEATURES

The changeover switch is installed horizontally

Changeover switch status Leds indicators

Available from 250 to 630A

Available for 4 poles

Auxiliary contacts with the changeover switch position

Command in 12 or 24 Vdc

Frequency 50/60Hz

Insulation voltage of 690Vac

Frame with galvanized steel plate CL I / Frame in polyester CL II

Frame for wall application

Removable plate with sealing gasket

Allows easy passage of connections cables

Meet standards IEC and NEMA

LTS INCLUDES

Switchboard

Changeover switch – Brand Grupel

Fuses for voltage references

Fixation accessories – For easy installation

MODEL	CURRENT (A)	H (MM)	W (MM)	D (MM)	INSULATION CLASS	IP	IK	COLOUR	WEIGHT (KG)*
Q0250.0014	250	800	600	300	I	IP54	IK07	RAL 7032	44
Q0250.0015		1000	750	420	II	IP55	IK10	RAL 7035	37
Q0630.0011	320-630	800	600	400	I	IP66	IK10	RAL 7035	65
Q0630.0012		1000	750	420	II	IP55	IK10	RAL 7035	51

*preliminary data

2. CHANGEOVER SWITCH CONNECTION INSTRUCTIONS

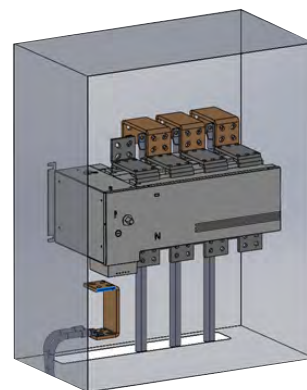
In the connection of the changeover switch cables, please follow the steps below:

- Pass the power cables up to the interior;
- Connect the power cables up to the mobile bar;
- Rise the cable and the mobile bar until is close to the fixed bar;
- Connect the mobile bar to the fixed bar;
- After this connect the cables from the source I and II.

The power connection to the mobile bar from the changeover switch must be with the terminal connection tight type tab and the cables must not have armor.

Be aware of these following aspects:

- Connect earthing;
- Connect the power cables with the right sequence;
- Signals connections according to electrical diagram represented ahead.



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LOAD TRANSFER SWITCH 800A UP TO 3200A

1. MAIN FEATURES

The changeover switch is installed horizontally

Changeover switch status Leds indicators

Available from 800 to 3200A

Available for 4 poles

Auxiliary contacts with the changeover switch position

Command in 12 or 24 Vdc

Frequency 50/60Hz

Insulation voltage of 690Vac

Frame with galvanized steel plate CL I

Frame for floor application

Removable plate with sealing gasket
Allows easy passage of connections cables

Meet standards IEC and NEMA

LTS INCLUDES

Switchboard

Changeover switch – Brand Grupel

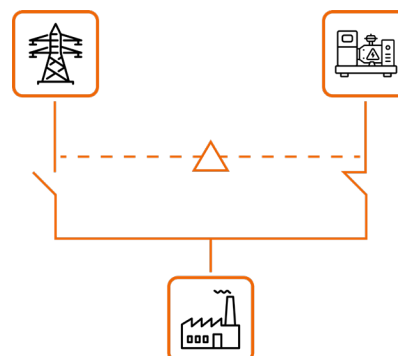
Fuses for voltage references

MODEL	CURRENT (A)	H (MM)	W (MM)	D (MM)	INSULATION CLASS	IP	IK	COLOUR	WEIGHT (KG)*
Q1000.0013	800-1000	1400	800	500	I	IP55	IK10	RAL 7035	144
Q1600.0009	1250-1600	1400	800	500	I	IP55	IK10	RAL 7035	178
Q2000.0007	2000	1400*	1200*	800*	I	IP55	IK10	RAL 7035	279
Q2500.0002	2500	1400*	1200*	800*	I	IP55	IK10	RAL 7035	326
Q3200.0002	3200	1400*	1200*	800*	I	IP55	IK10	RAL 7035	379

*preliminary data

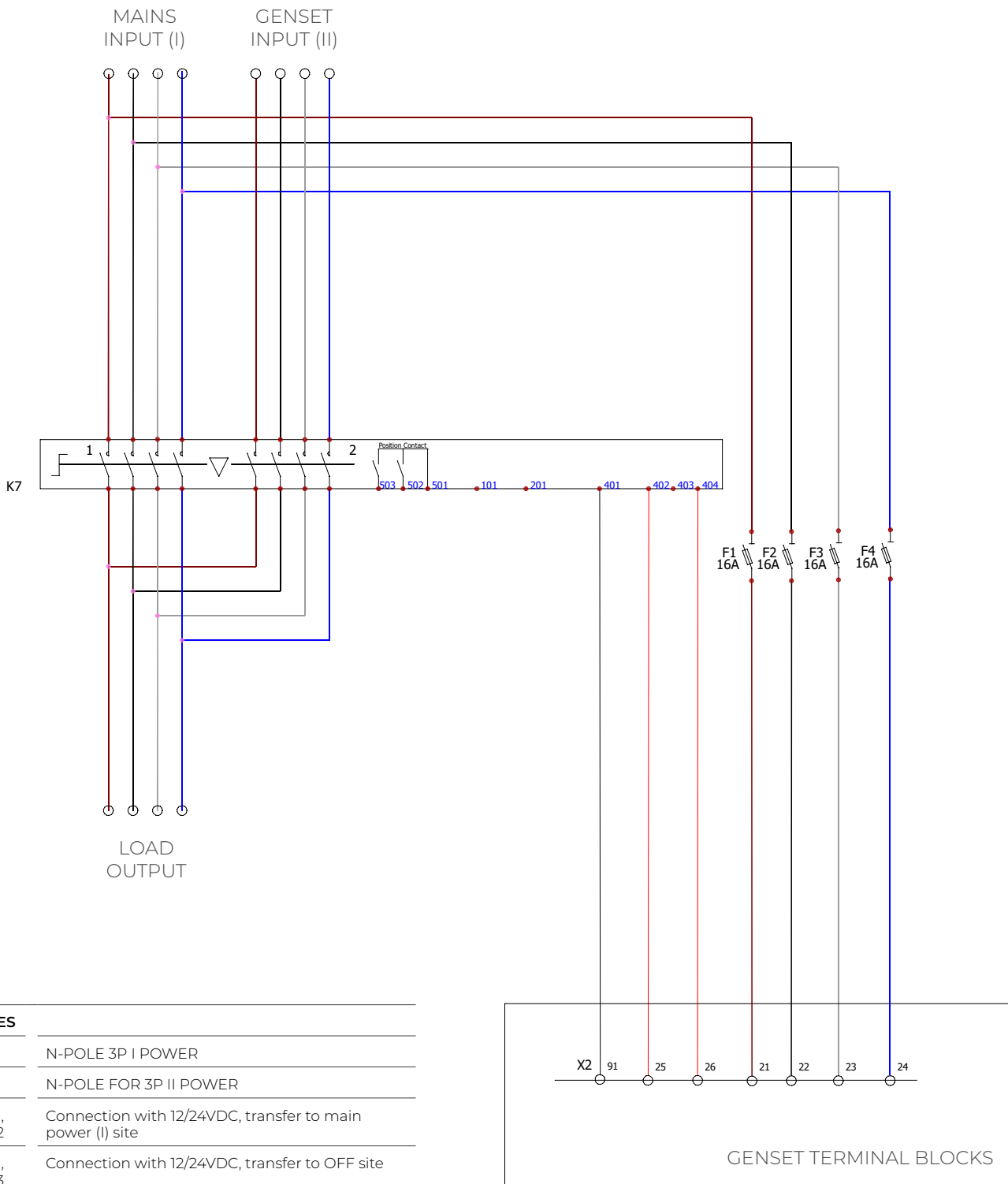
2. OPERATION REQUIREMENTS

- The genset must have an AMF type controller.
- The genset must analyze the mains parameters and give the necessary orders to the changeover switch, for switching between genset and the mains



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LTS ELECTRICAL DIAGRAM



NOTES

101	N-POLE 3P I POWER
201	N-POLE FOR 3P II POWER
401, 402	Connection with 12/24VDC, transfer to main power (I) site
401, 403	Connection with 12/24VDC, transfer to OFF site
401, 404	Connection with 12/24VDC, transfer to emergency power (II) site
501, 502	When main (I) power ON, 501 and 502 closed (Passive signal)
501, 503	When emergency (II) power ON, 501 and 503 closed (passive signal)
F1, F2, F3, F4	Auxiliary Power Supply for genset panel / Mains reference

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