COMMERCIAL TITLE

GRUP ARGE ENERJI ve KONTROL SISTEMLERI SAN. TIC. LTD. ŞTI.

PRODUCT CODE

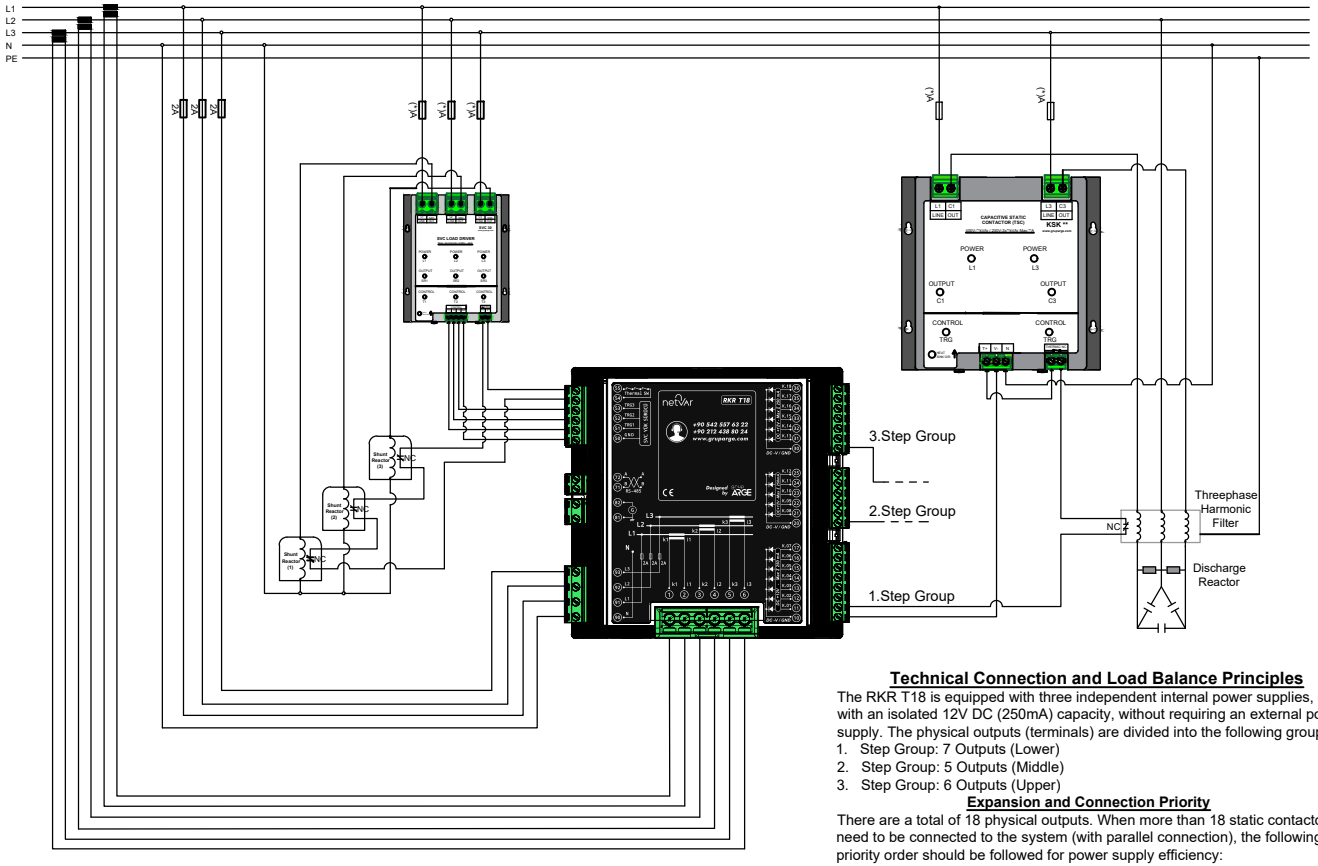
GA1203

PRODUCT NAME

RKR T18

PRODUCT DESCRIPTION

18 STEPS SVC-ENABLED POWER FACTOR COTROLLER with THYRISTOR OUTPUT



Technical Connection and Load Balance Principles

The RKR T18 is equipped with three independent internal power supplies, each with an isolated 12V DC (250mA) capacity, without requiring an external power supply. The physical outputs (terminals) are divided into the following groups:

1. Step Group: 7 Outputs (Lower)
2. Step Group: 5 Outputs (Middle)
3. Step Group: 6 Outputs (Upper)

Expansion and Connection Priority

There are a total of 18 physical outputs. When more than 18 static contactors need to be connected to the system (with parallel connection), the following priority order should be followed for power supply efficiency:

1. Priority: 2nd Group (5 Outputs)
2. Priority: 3rd Group (6 Outputs)
3. Priority: 1st Group (7 Outputs)

Safety and Efficiency Warnings:

Group Capacity: Each step group can electrically supply up to 10 static contactors in total.

Parallel Connection Limit: A maximum of 2 static contactors should be connected in parallel to a single output terminal.

Load Distribution: To ensure the system can continue compensation in the event of a possible failure, high and low power steps should not be grouped together in a single group; they should be distributed homogeneously (equally) across all groups.

Connection: The return terminals (-V / GND) of the contactors triggered by each terminal block group must be connected to the respective group's common terminal.