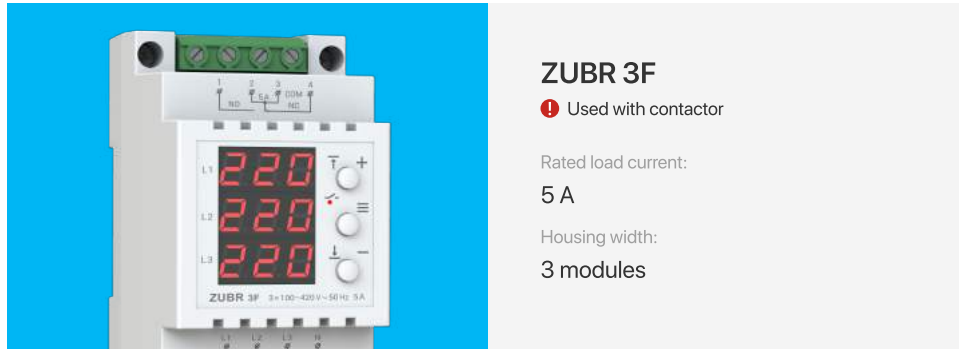


Three-phase voltage monitoring relay

Purpose:

To protect industrial and domestic three-phase electrical equipment (including three-phase electric motors) from exceeding the permissible voltage limits, asymmetry (skew), adhesion and phase rotation.



ZUBR 3F

⚠ Used with contactor

Rated load current:

5 A

Housing width:

3 modules

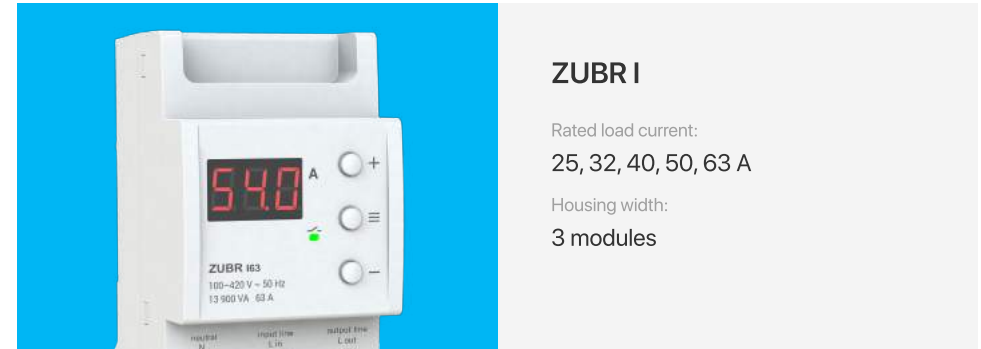
Functional:

Alarm log	100 values
Switch-on load delay	✓
Adjustable time before switching on the load after an accident. It is used to protect compressor equipment, such as refrigerators to increase the service life.	
Choice of delay type	✓
Types of switch-on delay: countdown from the beginning of the accident or from the moment of voltage recovery.	
True RMS	✓
Professional load switch-off model	✓
Correction of screen indications for each of the phases	✓

Current monitoring relay

Purpose:

To protect electrical equipment, in particular electric motors, from overloads or current deviations from set limits.



ZUBR I

Rated load current:

25, 32, 40, 50, 63 A

Housing width:

3 modules

Functional:

Alarm log	25 values
Switch-on load delay	✓
Adjustable time before switching on the load after an accident. It is used to protect compressor equipment, such as refrigerators to increase the service life.	
Switch-off load delay	✓
If the current limit is exceeded, the relay turns off the power after the set time.	
Configurable for motor protection	✓
Thermal protection	✓
True RMS	✓
Correction of screen indications	✓

Voltage monitoring relay with two operating modes: single-phase and three-phase load

Purpose:

To protect domestic and industrial electrical equipment from dangerous voltage deviations.

It can work as three single-phase relays in one case with independent settings and as a three-phase relay with a contactor. It is a financially more profitable solution, than buying three separate voltage relays for a similar current.



ZUBR D6 red

←→ Occupies only 6 modules.

ZUBR D6 comparison

with three single-phase and three-phase relays



ZUBR D6 red



ZUBR Dt (3 pcs)



ZUBR D2 (3 pcs)



ZUBR 3F

Single-phase load mode	✓	✓	✓	✗
Three-phase load mode	✓	✗	✗	✓
Width	6 modules	9 modules	6 modules	3 modules + contactor
Adjustable voltage hysteresis In case of instability in the network, it reduces the number of repeated relay outages.	✓	✗	✗	✗
Adjustable number of actuations in a row In case of instability in the network, function allows limiting the number of repeated relay actuations in a row to reduce their detrimental effect on protected equipment.	✓	✗	✗	✗
Alarm log	99 values	50 values	100 values	100 values
Correction of screen indications	✓	✓	✓	✓
True RMS, PRO model	✓	✓	✓	✓
Thermal protection	✓	✓	✓	✗
Power relay	✓	✓	✓	✗
Nominal current	40, 50, 63 A	25, 32, 40, 50, 63 A	40, 50, 63 A	5 A
Switch-on load delay	2 types from the moment of voltage recovery or the relay is turned off	1 type from the moment of voltage recovery	2 types from the moment of voltage recovery or the relay is turned off	2 types from the moment of voltage recovery or the relay is turned off