

# REPORT

## 70 Series



**finder**<sup>®</sup>  
SWITCH TO THE FUTURE



## Electronic voltage monitoring relay for three-phase applications

### Type 70.42

Multifunctional type, providing the flexibility of monitoring Undervoltage, Overvoltage, Window Mode, Phase rotation, Phase loss, Asymmetry and Neutral loss.

Approvals (according to type)



### Features

- 2 CO relay output, 8 A
- Positive safety logic - Make output contact opens if the relay detects an error
- All functions and values can be easily adjusted by the selector and trimmer on front face
- "Blade + cross" – both flat blade and cross head screw drivers can be used to adjust the regulators and the function selector
- Colored LEDs for clear & immediate visual indication
- Modular housing, 35 mm wide
- 35 mm rail (EN 60715) mount

## Voltage monitoring relays

Type	70.11	70.31	70.41	70.42
Nominal system voltage V AC (50/60 Hz)	Single-phase 220...240 V AC	Three-phase 380...415 V AC	Three-phase 380...415 V AC	Three-phase 380...415 V AC
Voltage detection level range	170...270 V	300...480 V	300...480 V	300...480 V
Neutral	—	without Neutro	with/without Neutral	with Neutral
Contact configuration	1 CO (SPDT)	1 CO (SPDT)	1 CO (SPDT)	1 CO (DPDT)
Voltage fault memory	selectable	selectable	—	selectable
Trip delay time	(0.5...60 s) adjustable	(0.5...60 s) adjustable	(0.5...60 s) adjustable	(0.5...60 s) adjustable
Dimension (wide, deep)	17.5 x 60 mm	35 x 60 mm	35 x 60 mm	35 x 60 mm
Function	Undervoltage	Undervoltage	—	Undervoltage
	Overvoltage	Overvoltage	—	Overvoltage
	Window mode	Window mode	Window mode	Window mode
	—	Phase loss	Phase loss	Phase loss
	—	Phase rotation	Phase rotation	Phase rotation
	—	—	Asymmetry	Asymmetry
—	—	Neutral loss	Neutral loss	

## Phase failure relays

Type	70.61	70.62
Nominal system voltage V AC (50/60 Hz)	Three-phase 208...480 V AC	Three-phase 208...480 V AC
Voltage detection level range	—	—
Neutral	—	—
Contact configuration	1 CO (SPDT)	2 CO (DPDT)
Voltage fault memory	—	—
Trip delay time	0.5 s fixed	0.5 s fixed
Dimension (wide, deep)	17.5 x 60 mm	22.5 x 100 mm
Function	Phase loss	Phase loss
	Phase rotation	Phase rotation