

# Monitoring relays

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 **repol**® S.A.

monitoring relays – multifunctions

# RPN-1VF-A400

CE EAC

AC voltage monitoring in 3-phase network - 3(N)~ 400/230 V



RPN-1VF-A400



## RPN-1VF-A400

Number & type of contacts	1 CO	
Rated load	AC1	12 A / 250 V AC
	DC1	12 A / 24 V DC ①
Rated input voltage	AC	50/60 Hz: 3(N)~ 400/230 V
Dimensions	mm	90(98,8) x 17,5 x 64,6 ②
Terminals	universal screw terminals ③	

monitoring relays – multifunctions

# RPN-1VF.-A400

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AC voltage monitoring in 3-phase network - 3(N)~ 400/230 V



RPN-1VFS-A400



RPN-1VFR-A400



RPN-1VFT-A400



## RPN-1VFS-A400

## RPN-1VFR-A400

## RPN-1VFT-A400

Number & type of contacts	1 CO	
Rated load	AC1	12 A / 250 V AC
	DC1	12 A / 24 V DC ①
Rated input voltage	AC	50/60 Hz: 3(N)~ 400/230 V
Dimensions	mm	90(98,8) x 17,5 x 64,6 ②
Terminals	universal screw terminals ③	

① DC1: 0,3 A / 250 V DC

② In the bracket the length with 35 mm rail catches is shown

③ Cross-recessed or slotted head screw



monitoring relays – multifunctions

# RPN-1A..-A230

CE EAC



RPN-1A16-A230

AC current monitoring in 1-phase network, with adjustable thresholds



## RPN-1A..-A230 ④

Number & type of contacts	1 CO	
Rated load	AC1	12 A / 250 V AC
	DC1	12 A / 24 V DC ①
Rated input voltage	AC	50/60 Hz: 230 V
Dimensions	mm	90(98,8) x 17,5 x 64,6 ②
Terminals	universal screw terminals ③	

monitoring relays – single-functions

# RPN-1TMP-A230

CE EAC



RPN-1TMP-A230

motor temperature monitoring



## RPN-1TMP-A230

Number & type of contacts	1 CO	
Rated load	AC1	12 A / 250 V AC
	DC1	12 A / 24 V DC ①
Rated input voltage	AC	50/60 Hz: 230 V
Dimensions	mm	90(98,8) x 17,5 x 64,6 ②
Terminals	universal screw terminals ③	

① DC1: 0,3 A / 250 V DC    ② In the bracket the length with 35 mm rail catches is shown  
 ③ Cross-recessed or slotted head screw    ④ 6 versions of relays - measuring inputs: 0,5 A, 1 A, 2 A, 5 A, 8 A, 16 A

# RPN ordering codes

864371	RPN-1VF-A400	AC voltage monitoring	relays for AC voltage monitoring in 3-phase network 3(N) - 400/230 V, supply voltage = monitoring voltage, measuring input = supply voltage, overload capacity $\geq 1,2 U_n$ , output - 1 changeover contact, rated voltage 3(N) - 400/230 V AC 50/60 Hz, relays performing functions LOST D, ASYM D ❶, ranges of asymmetry - fixed value 55 V
864372	RPN-1VFS-A400		relays for AC voltage monitoring in 3-phase network 3(N) - 400/230 V, supply voltage = monitoring voltage, measuring input = supply voltage, overload capacity $\geq 1,2 U_n$ , output - 1 changeover contact, rated voltage 3(N) - 400/230 V AC 50/60 Hz, relays performing functions LOST D, ASYM D, SEQ D ❶, ranges of asymmetry - fixed value 55 V
864373	RPN-1VFR-A400		relays for AC voltage monitoring in 3-phase network 3(N) - 400/230 V, supply voltage = monitoring voltage, measuring input = supply voltage, overload capacity $\geq 1,2 U_n$ , output - 1 changeover contact, rated voltage 3(N) - 400/230 V AC 50/60 Hz, relays performing functions LOST D, ASYM D, SEQ D ❶, ranges of asymmetry - smooth adjustment
864374	RPN-1VFT-A400		relays for AC voltage monitoring in 3-phase network 3(N) - 400/230 V, supply voltage = monitoring voltage, measuring input = supply voltage, overload capacity $\geq 1,2 U_n$ , output - 1 changeover contact, rated voltage 3(N) - 400/230 V AC 50/60 Hz, relays performing functions LOST D, ASYM D, SEQ D ❶, ranges of asymmetry - smooth adjustment, time ranges of tripping delay - step adjustment
864364	RPN-1A05-A230	AC current monitoring	relays for AC current monitoring in 1-phase network, supply voltage 230 V AC, measuring input 0,5 A, overload capacity 2 A, output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing functions OD, OD+L, UD, UD+L, WD, WD+L ❷
864365	RPN-1A1-A230		relays for AC current monitoring in 1-phase network, supply voltage 230 V AC, measuring input 1 A, overload capacity 4 A, output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing functions OD, OD+L, UD, UD+L, WD, WD+L ❷
864366	RPN-1A2-A230		relays for AC current monitoring in 1-phase network, supply voltage 230 V AC, measuring input 2 A, overload capacity 8 A, output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing functions OD, OD+L, UD, UD+L, WD, WD+L ❷
864367	RPN-1A5-A230		relays for AC current monitoring in 1-phase network, supply voltage 230 V AC, measuring input 5 A, overload capacity 6,5 A, output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing functions OD, OD+L, UD, UD+L, WD, WD+L ❷
864368	RPN-1A8-A230		relays for AC current monitoring in 1-phase network, supply voltage 230 V AC, measuring input 8 A, overload capacity 11 A, output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing functions OD, OD+L, UD, UD+L, WD, WD+L ❷
864369	RPN-1A16-A230		relays for AC current monitoring in 1-phase network, supply voltage 230 V AC, measuring input 16 A, overload capacity 20 A, output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing functions OD, OD+L, UD, UD+L, WD, WD+L ❷
864370	RPN-1TMP-A230		relays for monitoring motor temperature, supply voltage 230 V AC, short circuit monitoring of the thermistor line (max. 6 PTC thermistor sensors, connected in series), output - 1 changeover contact, rated voltage 230 AC 50/60 Hz, relays performing function TEMP ❸

❶ LOST D - Phase failure monitoring (with delayed disconnection of contact R), ASYM D - Asymmetry monitoring (with delayed disconnection of contact R), SEQ D - Phase sequence monitoring (without delay for disconnection of contact R) ❷ OD (OVER D) - Overcurrent monitoring (with delayed disconnection of contact R), OD+L (OVER D+LATCH) - Overcurrent monitoring with fault latch (with delayed disconnection of contact R), UD (UNDER D) - Undercurrent monitoring (with delayed disconnection of contact R), UD+L (UNDER D+LATCH) - Undercurrent monitoring with fault latch (with delayed disconnection of contact R), WD (WIN D) - Current monitoring in windowfunction between MIN and MAX values (with delayed disconnection of contact R), WD+L (WIN D+LATCH) - Current monitoring in windowfunction between MIN and MAX values with fault latch (with delayed disconnection of contact R) ❸ TEMP - Temperature monitoring of the motor winding with fault latch (with delayed connection/disconnection of contact R)

