PHGA



TACHOMETER RELAY FOR THE WIND SPEED CONTROL

Application field Control of the wind speed in cranes. When the supply voltage is connected, the relays 1 and 2 operate after 200 ms. While the wind Operating principle speed remains under 50 km/h there is no effect on the system. When the wind speed goes over 50 km/h the time circuit starts-up. If this speed remains or increases for a time greater than the pre-set one, the relay 1 releases. It operates again when the speed goes below 49 km/h. When the wind speed goes over 70 km/h the time circuit starts-up. If this speed remains or increases for a time greater than the pre-set one, the relay 2 releases. It operates again when the speed goes below 68,5 km/h. If the selector "Flashing alarm" is in the ON position, when the wind runs over 50 km/h relay 1 Alarm flashes in a cycle of 1 second. Power on: Green · Relays on: Red Leds indication If whichever of the selectors it is not correctly placed, both red leds get flashing until the conditions are the right ones. Input signal Contact free of voltage. Set the selector "Sensor" in the proper position according to the signal provided for the wind Pulses number sensor (50Hz 40m/s / 100Hz 40m/s / 210Hz 55m/s). Frequency signal 100 Hz maximum (= 65m/s = 234km/h) Hysteresis Fix, 2% Timing Delay on detection, adjustable from 0..30 s Accessories Wind sensor SVR-40 (100Hz 40m/s) Wind sensor SVR-50 (210Hz 55m/s)

	HOUSING		FUNCTION		OUTPUT		VOLTAGE	
							724	24 VDC
e							024	24 VAC
en							048	48 VAC
efer	Ρ	Plug-in	HG	Wind speed control	Α	2 SPDT	110	110125 VAC
۳ ۳							230	220240 VAC
							400	380415 VAC
							U24	24 VAC/DC

To compose the reference, select one option of each column. Example: PHGA 048





			PHGA		
		AC	10 A / 250 V		
	Resistive load	DC	0,4 A / 200 V		
			10 A / 24 V		
ays	Inductive local	AC	5 A / 250 V		
rel	inductive load	DC	5 A / 24 V		
Ħ	Me	chanical life	> 30 x 10 ⁶ operations		
Ltp	Max. switching	rate, mech.	72.000 operations / hour		
õ	Electrical life	e at full load	360 operations / hour		
	Con	tact material	AgNi 90/10		
	Maxir	num voltage	440 VAC		
	Opera	ting voltage	250 VAC		
	Volt. between	changeovers	2500 VAC		
	Voltage betwee	een contacts	1000 VAC		
	Voltage	coil/contact	5000 VAC		
	Distance	coil/contact	10 mm		
	Isolatio	n resistance	> 10 ⁴ MΩ		

		AC	DC	AC / DC
Supply		PHGA	PHGA	PHGA
	Galvanic isolation	Yes	No	No
	Frequency	50 / 60 Hz	-	-
	Operating margins	±18%	±10%	±10%
	Positive	-	Terminal 2	Terminal 2
	Protected polarity		Yes	Yes

		PHGA
	Voltage phase-neutral	300 V
	Overvoltage category	
	Rated impulse voltage	4 kV
ata	Pollution degree	2
ğ	Protection	IP 20 B
nta	Approximate weight	250 g
me	Storage temperature	-50°C +85°C
ir.	Operating temperature	-20°C +50°C
env	Humidity	30~85% HR
ē	Housing	Cycoloy - Light grey
e al	Socket	Lexan - Light grey
Ę	Visor leds	Lexan - Transparent
2C	Button, terminal block, clip	Technyl - Dark blue
nst.	Pins of the socket	Nickel-plated brass
Co	Pins of the terminal block	-
	Approvals	Designed and manufactured under EEC standards

Electromagnetic compatibility, directives 89/366/EEC, 92/31/EEC, 93/68/EEC. Electric safety, directive 73/23/EEC.

Dimensions



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