

## WK N 3-2 - AC – Voltage Supervision Unit



## **Application :**

This unit is used for the supervision of single-, double -, or triple phase voltage supplies.

## **Functions :**

The phase of the voltage supply are fed to an electronic measuring system. Units with one system for over or under voltage and units with two system for Over and Under voltage can be supplied. A small signal lamp lights up as long as the supplied voltage is within the adjusted limits. The signal lamp extinguishes and two output contacts are switched the moment one phase exceeds or falls below the limits.

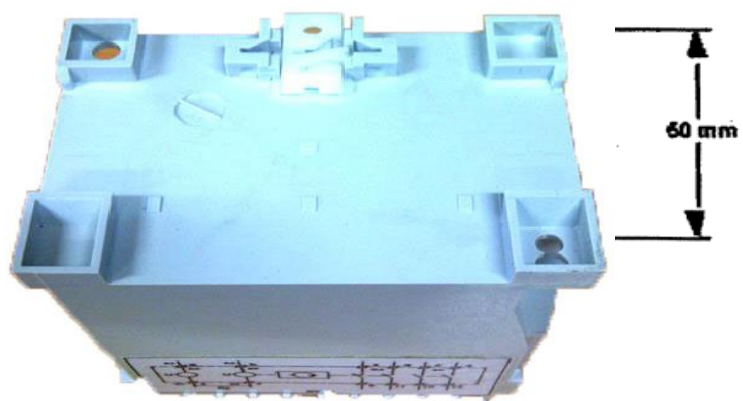
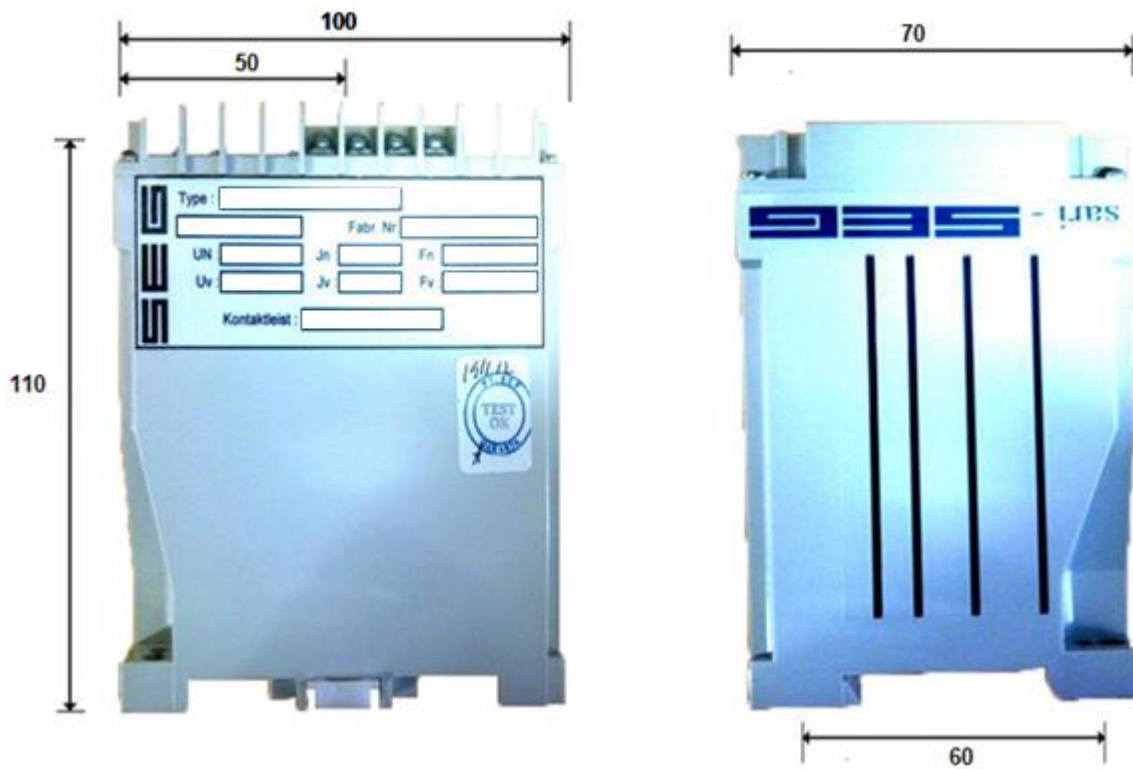
## **Technical data of standard design :**

Type	: WK N 3-2 with two switch points for under-over voltage
Voltage	: For double, triple or four pole connection p.t.o.
Ratio between switching on and off	: 1%
Repeat Accuracy (8 – 60s)	: ± 0,5 % changing all phase 2 % changing two phase, two constant 4 % changing one phase, two constant
Switching-on delay	: ms, - Other delays on request
Switching-off delay	: ms, - Other delays on request
Contacts	: 1 NO and 1 NC free of potential
Rupturing capacity	: 200 VA at 220 VAC or 2 amps. At 24 VDC
Consumption	: 3 VA approx.
Over voltage strength	: Short time 50 %
Service life	: 10 x 10 <sup>3</sup> operations
Permissible switch-on time	: 100 % ED
Contact material	: Silver coating
Phase inversion	: independent
Outer case	: SEG Standard case (h x w x d) : 100 x 70 x 110 mm
Material	: ABS
Terminals	: Metric 4, max. wires 2,5 mm <sup>2</sup>
Type of protection	: Case IP 20, Terminals IP 00
Weight	: 0,300 Kg
Mounting	: All positions
Maintenance	: Non

## **Nominal Voltage :**

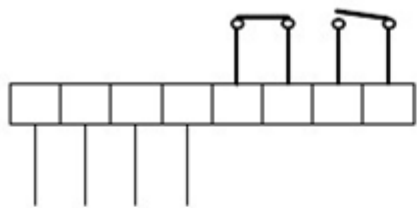
WK N 3-2 / 230 The specified voltage is given for terminal a and 6.

## Measurement and Bore holes

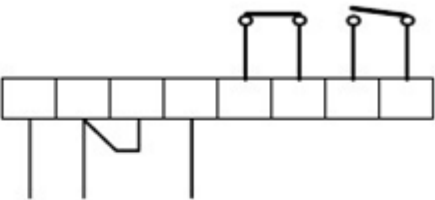


**Connection diagram :**

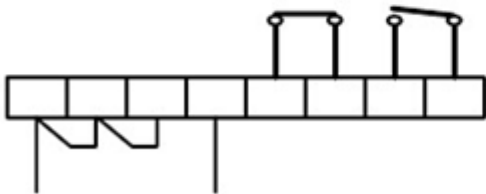
Triple phase plus neutral



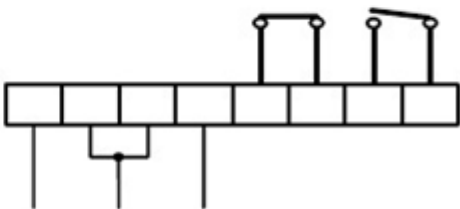
Doble phase plus neutral



Singel Phase plus neutral or  
double phase without neutral



Triple phase without neutral



**The contacs are drawn in position for :**

- Type WK N 3 – 2 : Voltage below or over the set values or no supply

**Order form**

AC Voltage Relay		WK3	–		
Type	Under Range : 160 – 260 Vac Over Range : 230 – 300 Vac			2	
Rated Voltage	: 230 Vac				230