

Features:

- ❑ safe, sensorless drive monitoring
- ❑ over-, underfrequency or window monitoring of single-phase or 3-phase AC systems
- ❑ user friendly frontside display
 - comfortable, menu guided configuration
 - for set point and actual value of Hz
- ❑ manual or auto-reset
- ❑ simple and time-saving setup without PC
- ❑ extensive diagnostic functions
- ❑ possibility of overriding the speed by a supervisory function (muting)
- ❑ up to 4 activatable operating modes (e.g. automatic-, installation- or service operation)
- ❑ galvanic separation between measuring input, auxiliary voltage and output contacts
- ❑ 2-channel function
- ❑ forcibly guided output contacts
- ❑ LED-indicators and 2 semiconductor monitoring output
- ❑ analog output
- ❑ up to 4 frequency modes selectable
- ❑ width 45 mm



Safety Frequency Monitor
VersiSafe Speed
CE

Function:

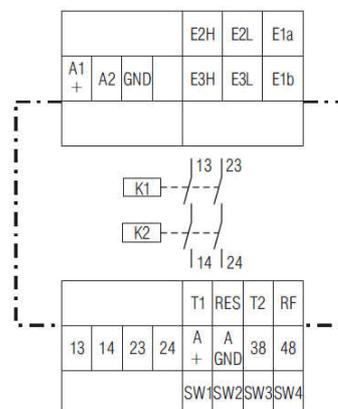
- ❑ fast reaction time by measuring duration of cycle of input frequency
- ❑ adjustable hysteresis
- ❑ adjustable reset delay function from 0 ... 100 s
- ❑ adjustable start up time delay from 0 ... 100 s
- ❑ adjustable alarm delay from 0,1 ... 100 s

Typical Applications:

monitoring of output frequency of inverters
platform technics
wood working machinery
machine tools
wind generator machines
crane applications

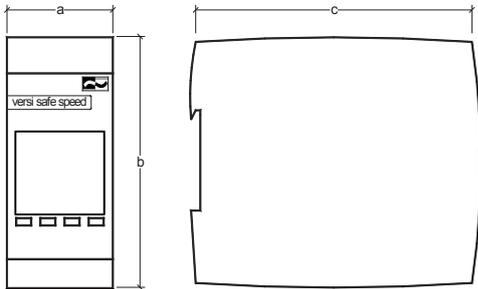
Safety rated data:

- ❑ safety category 4 / Performance Level (PL) e to DIN EN ISO 13849-1
- ❑ SIL-Claimed Level (CL) 3 to EN 62061 and EN 61800-5-2
- ❑ SIL 3 to IEC 61508 and EN 61511
- ❑ safety functions according to EN 61800-5-2
STO (Safe Torque Off),
SOS (Safe Operating Stop),
SLS (Safely Limited Speed),
SSM (Safe Speed Monitor)
SSR (Safe Speed Range)



Typical designation	VersiSafe Speed
voltage range	
E1a-E2L, E1b-E3L	AC 8 ... 280 V
E1a-E2H, E1b-E3H	AC 16 ... 600 V
auxiliary voltage U_H	24 VDC, typ. 3,2W
input frequency	<700Hz
response value (frequency threshold)	adjustable from 1 Hz ... 600 Hz
pulse frequency inverter	≥ 1 kHz
measuring accuracy	< ± 2 %
reaction time of frequency monitoring	duration of 1 cycle (inverse value of adjusted frequency) + 10 ms + adjusted response delay
contacts	2 NO contacts forcibly guide, Semiconductor monitoring output
degree of protection	housing IP40, terminals IP20
ambient- /storage temperature	-25°C...+60°C / -40°C...+75°C
weight / kg	0,4
order number	27810.69000

Dimensions:

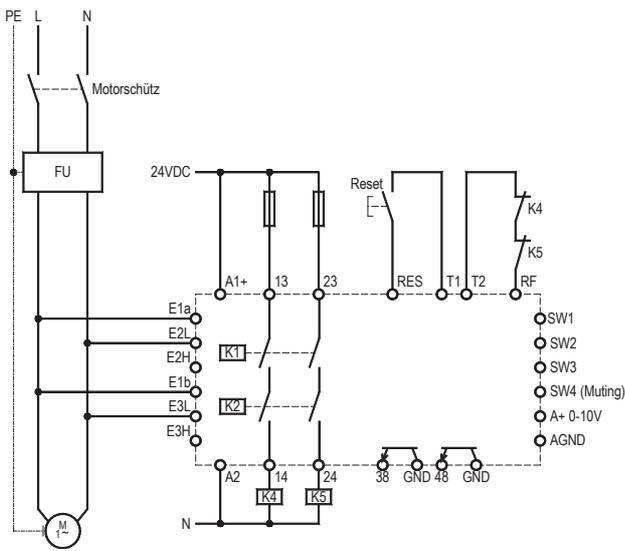


Mounting dimensions	a	b	c
VersiSafe Speed	45	107	121

All dimensions in mm

Connection Diagram:

single-phase:



three-phase:

