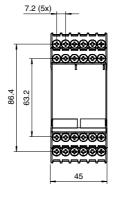
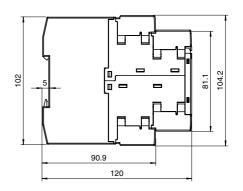
Dimensions

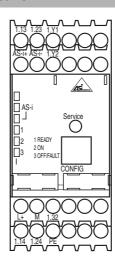




Electrical connection

Safety switch output 1 Safety switch output 2 Message output "Safety on' μΡ Input "EDM Input "Start AS-Interface + AS-Interface -RJ45socket Auxiliary energy M RS 232 PΕ

Indicating / Operating means



Model number

VAS-1A-K12-S1

Safety Monitor, 1 integrated safe output

Features

- One open circuit
- Fulfills technical safety requirements for Category 4 according to EN 954-1, EN 61508, SIL 3 and Performance Level e (PL_e)
- Logic configuration by means of drag & drop with diagrammatical display on the PC
- Extended logic functions

Function

When used in accordance with requirements, the AS-Interface safety monitor makes it possible to operate sensor-controlled personal protection equipment and other safety components up to and including Category 4 in accordance with EN 954-1. If additional sensors of lower categories are connected, the maximum category that can be achieved for the safety path in question is determined by these sensors. For example, laser scanners can be classified to a maximum of Type 3 in accordance with EN 61496-3. If laser scanners are included in the AS-Interface safety circuit, the maximum safety category that can be achieved for the path in question is Category 3. Any safety light curtain of Type 4 connected to the same safety monitor remains unaffected by this. Category 4 is still possible for the safety light curtain.

The safety monitor is also responsible for the compulsory EMERGENCY OFF function of all non-manually controlled machines (Stop Category 0 or 1), dynamic monitoring of the restart function and the protection control function.

Mounting **Notes**

Mass

Mechanical specifications

Degree of protection

Connection

Material Housing

This safety monitor has an extended switch-off time of 50 ms. The safety monitor only switches off if a fault code has been transmitted 3 consecutive times. Plant availability can thereby be increased for EMC-critical applications.

DIN rail mounting

screw terminals

350 g

Polyamide PA 66, black

Accessories

VAZ-SIMON-R2

Interface cable for connecting the K12 Safety Monitor to a PC

VAZ-SIMON-RJ45

Interface cable for connecting two K12-Safety Monitors

USB-0,8M-PVC ABG-SUBD9

Interface converter USB/RS 232

VAZ-SW-SIMON+

Software for configuration of K30 Master Monitors/K31 and KE4 Safety Monitors



IP20 (only for use in electrical operating rooms / switch cabinet

suitable with minimum protection type IP54)