



VCS-SMG-SAFE SAFE APPLICATION CONTROL

HIGHLIGHTS

- TUV certified product
- Configuration via function block
- Tailor-made to VCSX control system
- Prepared technology applications integrated
- Easy device replacement due to integrated memory card
- Transparent communication based on established SMGM technology
- Supported safety functions:
 - STO (Safe torque off) for up to 4 axes
 - SLS (Safe Limit Speed) for 2 axes
 - SPOS (Safe Position) for 2 axes

VCS-SMG-SAFE

ELECTRICAL DATA

- Supply voltage 24VDC $\pm 10\%$
(reverse polarity protection)
- Supply type SELV / PELV
- Power consumption max. 600 mA / < 13 W
excl. encoder / absolute encoder
- Operating temperature 0 ... 50°C

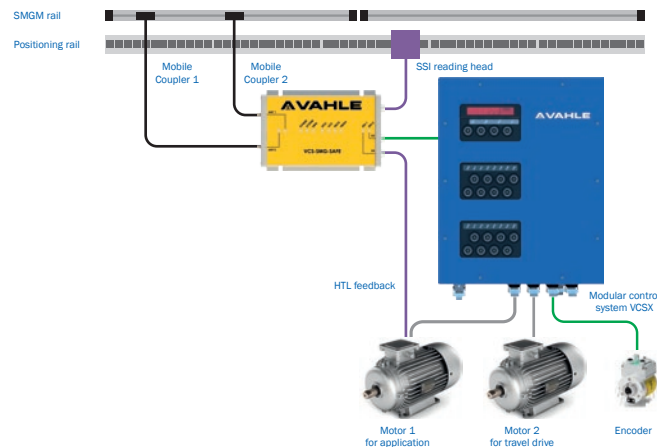
MECHANICAL DATA

- Dimension 203x128x63.4 mm
- Mounting holes 130x117.5 mm
- Installation M5 screw connection
- Protection class IP54
- Material Aluminium

SUPPORTED ENCODERS

- Safe encoder PROFINET / PROFIsafe
- Non-safe encoder HTL / SSI

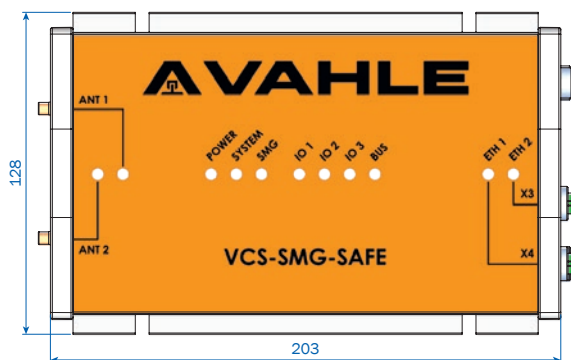
SYSTEM OVERVIEW



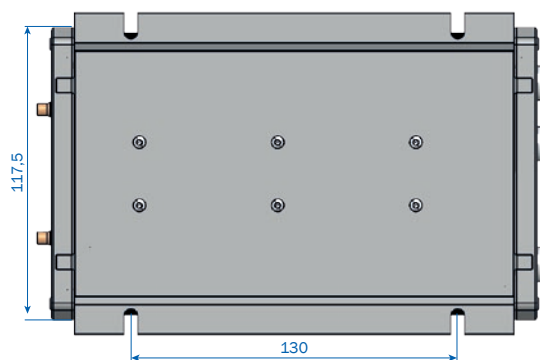
SAFETY PARAMETERS

- IEC 61508:
Safety Integrity Level suitable for applications up to SIL3
- EN ISO 13849-1:
Performance Level suitable for applications up to PL e / Cat. 4

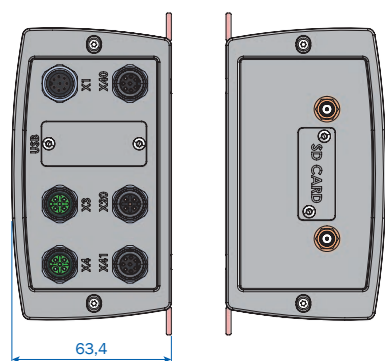
TOP VIEW



MOUNTING OVERVIEW



SIDE VIEW



CONNECTOR

- X1: Supply voltage 24 VDC and connection for external display
- ANT1: SMGM coupler connection 1
- ANT2: SMGM coupler connection 2
- X3: Ethernet connection 1
- X4: Ethernet connection 2
- X41: HTL interface
- X20: Safe digital input, 2-channel
- X40: SSI interface