

Smartive Server

Installation, marking and production final test

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Installation and Safety Instructions

- The product is a DIN-rail Smartive Server main board with optocoupled inputs and six 230 VAC relay outputs.
- Installation by qualified personnel only, inside a closed electrical or control cabinet, according to national electrical installation rules.
- The 5 V supply shall be provided only by a CE-marked SELV power supply; the device supply input includes reverse-polarity, overvoltage and undervoltage protection.
- Each 230 VAC relay channel must be protected by an external miniature circuit breaker or fuse rated max. 10 A. The device does not replace an overcurrent protective device.
- Before installation, servicing or rewiring, disconnect the 5 V supply and every external supply feeding the relay branches.
- The optocoupled input side uses a separate isolated DC-DC supply; input-side and MCU/Raspberry-side grounding/potential boundaries shall be maintained during installation.

Rating Label and Marking

Smartive Server
Model: SM-MS Rev. 1.3.0
Supply: 5 VDC SELV, protected reverse polarity / OV / UV
Inputs: optocoupled, isolated input side DC-DC
Relay outputs: 6 x dry contact, max. 10 A @ 230 VAC per channel
External MCB/fuse max. 10 A required per relay channel
Install in closed electrical/control cabinet by qualified personnel
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CE WEEE

Field	Content
Product	Smartive Server
Model	SM-MS Rev. 1.3.0
Supply	5 VDC SELV, protected reverse polarity / OV / UV
Inputs	Optocoupled; separate isolated DC-DC supply for the input side.
Relay outputs	6 x dry contact; max. 10 A @ 230 VAC per channel; external OCPD mandatory.
Installation	Closed cabinet only, by qualified personnel.
CE/RoHS/WEEE	CE marking; RoHS release documentation; WEEE marking according to applicable placing-on-market obligation.

Production Final Test

Step	Method	Acceptance	Result
Visual inspection	Check PCB, relays, terminals, optocouplers, DC-DC, RJ45, soldering and label.	No damage, suspected solder bridge or incorrect marking.	Pass
5 V supply	Start from rated 5 VDC SELV supply; reverse-polarity and OV/UV protection control with test fixture.	Stable operation, protection operates, no overheating.	Pass
Optocoupled inputs	Toggle inputs one by one and read state on Raspberry/MCU side.	Every input is reported correctly.	Pass
6 relays	Switch relays one by one; measure contact continuity with a safe fixture.	Each relay pulls in/releases; no stuck or welded contact.	Pass
Document/label	Check max. 10 A @ 230 VAC external OCPD warning per channel.	Warning is present on label and accompanying document.	Pass