

AML-SPC-STD-001 - Switchgear and controlgear assembly



1051048

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Standardized and modularly expandable switchgear and controlgear assembly to for efficient machine and system automation. Basic version with functional safety and cloud connection. Supports various communication protocols (e. g. PROFINET, OPC UA).

Similar figure

Product description

The AML-SPC (SPC = Smart-Control-Cabinet) switchgear and controlgear assemblies are standardized and modularly expandable control solutions for the automation of decentralized machines and systems. The modular concept and use of smart services based on PLCnext Technology enable fast startup and a reliable production sequence. The range of functions varies depending on the type of product, so that different tasks ranging from simple monitoring through to complex system controls can be implemented. In the context of Industrie 4.0, the AML-SPC switchgear and controlgear assemblies can be implemented in a variety of industry sectors. Applications, for example, include: the automotive industry (controlling, monitoring, and diagnosing punching and bending machines, welding machines, and similar assembly and production machinery), logistics (controlling, monitoring, and diagnosing electric monorail systems, conveyor belts, and small warehouses)

Your advantages

- Various possible applications in automated production processes, thanks to a modularly expandable control cabinet concept
- Efficient system operation, thanks to use of smart services as part of predictive maintenance and big data analyses
- Use of traditional and modern programming languages thanks to PLCnext Technology
- Fast commissioning, thanks to standardized control solutions with extensive software packages

Commercial data

Item number	1051048
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DTHDAA
GTIN	4055626670263
Weight per piece (including packing)	24.1 kg
Weight per piece (excluding packing)	24.1 kg
Country of origin	DE

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Technical data

Product properties

Product type	Switchgear and controlgear assembly
Installation location	Indoor use, no exposure to direct sunlight

Insulation characteristics

Protection class	I
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Electrical properties

Maximum power dissipation for nominal condition	40 W
Control voltage	24 V DC
Nominal current control voltage	max. 10 A
Nominal voltage U_N	400 V AC (50 Hz)
Nominal current I_N	3x 0.5 A (400 V AC)
Nominal power	274 VA

Fuse

Recommended backup fuse:	16 A (Characteristic B, 3-pos.)
Fuse	10 A (Characteristic B, 3-pos.)

Output data

Output voltage	2x 24 V DC (Load circuit)
Output current	2x 3 A (Load circuit)

Interfaces

Wireless

Interface description	WLAN in accordance with IEEE 802.11 a/b/g/n
Operating mode	Access point / client adapter / repeater
Frequency range	2.4 GHz ... 5 GHz
Transmit capacity, maximum	max. 20 dBm
Number	2
Connection method	permanently installed

Dimensions

External dimensions

Width / Height / Depth	500 mm / 500 mm / 210 mm
	500 mm / 605 mm / 250 mm (with extensions)

Material specifications

RAL color	7035
Material Housing	Sheet steel (dip-primed, powder-coated on the outside, textured finish)

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Cable/line

Cable entry

Type of cable entry	Cable gland
Connection method	1 Plug M12
	2 Connector D25-HEAVYCON

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP54
Ambient temperature (operation)	0 °C ... 38 °C
	0 °C ... 40 °C (at max. 7 A output current on power supply unit)
Ambient temperature (storage/transport)	0 °C ... 40 °C

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Classifications

UNSPSC

UNSPSC 21.0	39121100
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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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