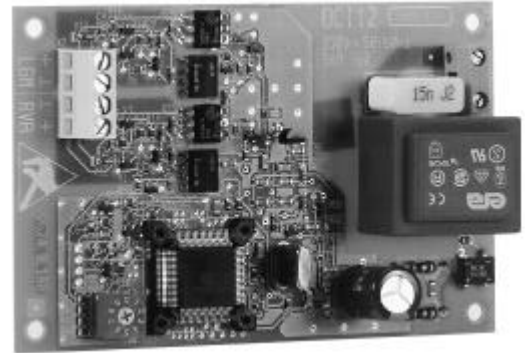




ISO 9001

## Interface

## OCI12



### Interface between LGM11.x4... and RVA4x...

The OCI12... and this data sheet are intended for use by OEMs that integrate the interface in their products.

### Use

The OCI12... is used as a PPS slave / slave interface between the LGM11.x4... and the respective ALBATROS RVA4x...controllers.

It serves as a gateway between the following types of units:

LGM...	ALBATROS RVA...
- All LGM11.x4... from SW version 7.01	- RVA46.531 from C-series
- All LGM11.x4... from SW version 7.02 <sup>1)</sup>	- RVA46.531 from C-series - RVA47.321

<sup>1)</sup> Possibly modified software version with the OCI12; please contact your Landis & Staefa sales office

### Functions and features

- Integrated AC 230 V power supply
- PPS communication lines to LGM... and RVA... are galvanically separated and carry extra low voltage potential
- Electrical connections (AC 230 V power supply, interface LGM..., interface RVA...) via screwed terminals located on the printed circuit board
- Automatic identification of OCI12...by the connected LGM... / RVA...
- Setting of addresses directly on the OCI12... with switch S1 on applications using the RVA47...

**For detailed information about the functions and features of the whole application, refer to the respective documentation of LGM... / RVA...**

### Ordering

Interface for communication between LGM11.x4... and RVA4x...

**OCI12**

## Technical data

Operating voltage	230 V~ +10 / -15 %	Mains frequency	50 or 60 Hz ±5 %
Power consumption	5 VA max.	Degree of protection (with no housing)	IP 00
Mounting position	optional	Degree of protection to be ensured after mounting	IP 40 min.
Dimensions (LxDxH)	approx. 118 x 78 x 30		
Weight	approx. 0.2 kg		
Environmental conditions		CE conformity	
– Transport	IEC 721-3-2	In compliance with the directives of the European Union	
Climatic conditions	class 2K2	Electromagnetic compatibility EMC	
Temperature range	-20...+70°C	89/336 EEC incl. 92/31 EEC	
Humidity	< 95 % r.h.	according EN 60730-1	1995 H26.2.1
Mechanical conditions	class 2M2	Low voltage directive	73/23
– Operation	IEC 721-3-3	according EN 60730-1	1995
Climatic conditions	class 3K3		
Temperature range	0...+60°C		
Humidity	< 95 % r.h.		



Condensation, formation of ice and ingress of water are not permitted.

### Electrical connections

The electrical connections are established via screw terminals located on the printed circuit board of the OCI12...

(refer to "Connection diagram")

- Mains voltage (AC 230 V) via connector X1
- Communication lines LGM.../RVA... via connector X2

gemäß EN 60730-1 1995 H26.2.1  
Niederspannungsrichtlinie 73/23  
gemäß EN 60730-1 1995

		Cross-sectional area / max. line length				
		0.5 mm <sup>2</sup>	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Limitation R (cable resistance, copper)	Max. distance from central to peripheral unit	75 m	115 m	150 m	230 m	300 m
Limitation C (cable capacitance)	Total of all branches	45 nF max. (total)				

### – Cross-wiring

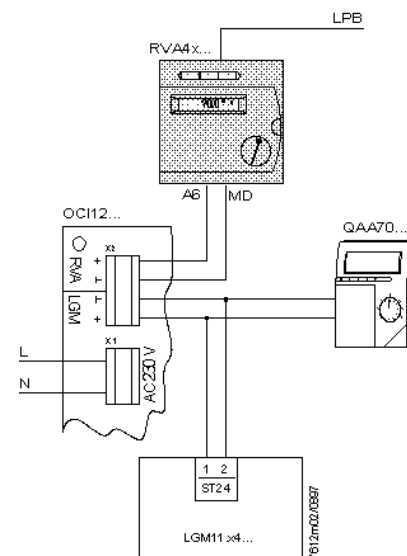
If lines are interchanged, there will be no communication. Cross-wired communication lines will not cause any damage

### Settings

- If correctly set, the OCI12... will automatically be identified by the connected LGM11.x4.../RVA4x...
- On applications with the RVA47..., the address of the OCI12... can be set with address selector S1 located on the printed circuit board. On applications with the RVA46..., address selector S1 must be set to "7" (default setting)

## Connection diagram

(basic diagram)



!!! Observe Product Information LGM11.x4... and / or RVA46... / RVA47...!!!

Legend

L Live  
N Neutral

## Warning notes

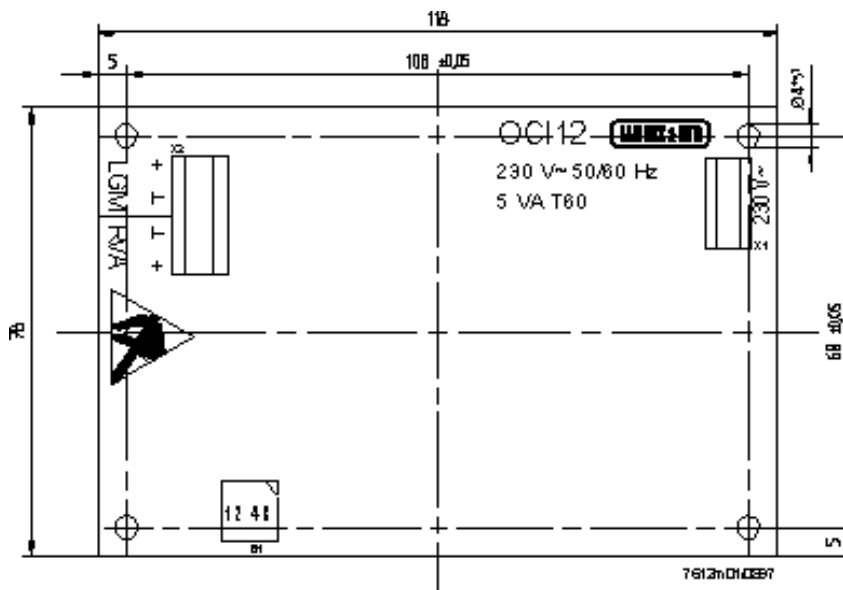


**Non-observance of the following safety notes may lead to unforeseeable consequences, such as electric shock, explosion, environmental damage, etc.**

- In the geographical areas where DIN standards are in use, the installation must be in compliance with VDE requirements, particularly with the standards DIN / VDE 0100 and 0722! In all other areas in compliance with the national and local standards and regulations!
- All regulations and standards applicable to the specific application must be observed!
- Installation and commissioning work must always be carried out by qualified personnel!
- Check wiring carefully before putting the equipment into operation!
- The interface must be completely isolated from the mains before performing any work in the connection area of the OCI12...
- Check all safety functions when putting the interface into operation or after performing service work!
- Ensure protection against electric shock hazard on the interface and at all electrical connections by appropriate mounting!
- Electromagnetic compatibility must be checked from an application point of view!
- When wiring the equipment, the AC 230 V section must strictly be separated from the extra low voltage section to ensure protection against electric shock hazard and disturbances!
- Static charges must be avoided since these may damage the electronic components!
- The electrical wiring must be made in compliance with national and local standards and regulations!

## Dimensions

Dimensions in mm



Legend

- X1 Mains voltage connection (AC 230 V)
- X2 Connection of communication lines LGM.../RVA...
- S1 Address selector

Mounting height: 32 mm min.

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