

# DATA SHEET

# relay and blind control devices SIRO

Drive controls with comfort functions (24 V DC)
Article number 09500152



Internetlink

#### **Function**

Shutter and blind control devices are used to control single-phase consumers, such as awnings and door drives. Downstream contactors are recommended to switch multi-phase consumers or consumers with high loads. The SIRO roller shutter module is a component of the SI impulse system and facilitates the control of a motor for roller shutters, blinds or skylights, for example. The relays for up and down movement have a 2 A load capacity and are interlocked both mechanically and electrically. The direction of travel is also indicated on the two front LEDs. In addition to the control inputs for up and down movement, the device also has inputs for central and group commands as well as priority commands for wind sensors or rain sensors, for example. These allow control via the SIROLUX twilight switch. On the output side, the SIRO supports the connection of SIRO-SL slave modules and the switch position display on panels, for example.

#### **Features**

roller shutter control module for a 230 V/2 A motor, twilight linking possible with SIROLUX, master module for multiple SIRO-SL slaves, switch position indicator on front and as semiconductor output, inputs for individual, central/group and priority commands

#### Mountina

quick fastening to mounting rail, any installation position

#### **Applications**

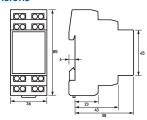
The control device is used in private and commercially used buildings for controlling motors for roller shutters, blinds, awnings, skylights, garage doors, etc.

### Technical Data

Technical Data	SIRO	
Series	SIRO	
Number of (n.o, n.c.,change- over)	0 0 1	
Manual operating mode possible	true	
Switching time at rotation change	600 ms	
	Supply voltage (external adaptor)	
Operating voltage (DC)	24 V (21.5 V 26.5 V)	
Current consumption (AC)	max. 0.012 A	
	Display direction of travel	
Number	2	
Туре	LED (red)	
	control input	
rated voltage (DC)	24 V	
Tolerance of rated voltage	-10 % 10 %	
Rated current	1 mA	
Bounce time of push buttons	10 ms	
Load factor	1 ELF	
max. Maximum number of push buttons	20	
	load circuit	

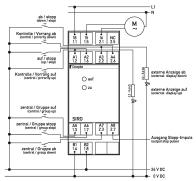
Specification       relays         Rated voltage (AC)       230 V         Load factor       20 ALF         max. Switchung capacity cos j = 0,5       250 VA         max. Switchung capacity cos j = 1,0       500 VA         screw-type terminal top and bottom         max. Connection C1 cable length       100 m         Clamping area       0.4 mm² 4 mm²         Cross section solid       1-wire: max. 2.5 mm²         Cross section standed       1-wire: max. 3.5 mm²         Tightening torque       max. 0.64 Nm         Tightening torque       max. 0.64 Nm         General data       Operating noise         Operating noise       little switching noise         Operating position       optional         Electrical endurance       min. 1000000 switching cycles         Ambient temperature       -10°C 45°C         Housing type       distribution board housing         Installation type       Mounting rail (35 mm)         Housing material       polycarbonate (PC)         Protection class       IP20         Wridth       36 mm         Height       85 mm         Module widths       2         Pesion requirements/Standards       FN 60660-1	Technical Data	SIRO
Load factor  max. Switchung capacity cos j = 250 VA  0,5  max. Switchung capacity cos j = 250 VA  1,0  Screw-type terminal top and bottom  max. Connection C1 cable length  100 m  Clamping area  0.4 mm² 4 mm²  Cross section solid  1-wire: max. 1.5 mm²  Tightening torque  max. 0.64 Nm  Tightening torque  max. 0.64 Nm  General data  Operating noise  Operating noise  Operating position  Electrical endurance  Ambient temperature  -10 °C 45 °C  Housing type  distribution board housing  Installation type  Mounting rail (35 mm)  Housing material  Polycarbonate (PC)  Protection class  IP20  Width  85 mm  Depth  Depth  Depth  Depth  Depth  Destinus Capacity Cos j = 250 VA	Specification	relays
max. Switchung capacity cos j = 0,5 max. Switchung capacity cos j = 1,0 screw-type terminal top and bottom max. Connection C1 cable length 100 m Clamping area 0.4 mm² 4 mm² Cross section solid 1-wire: max. 2.5 mm² Cross section stranded 1-wire: max. 0.64 Nm Tightening torque max. 0.64 Nm Tightening torque max. 0.64 Nm General data Operating noise little switching noise Operating position optional Electrical endurance min. 100000 switching cycles Ambient temperature - 10°C 45°C Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material polycarbonate (PC) Protection class IP20 Width 36 mm Height 85 mm Depth 65 mm Module widths 2	Rated voltage (AC)	230 V
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screw-type terminal top and bottom  max. Connection C1 cable length  Clamping area  0.4 mm² 4 mm²  Cross section solid  1-wire: max. 2.5 mm²  Cross section stranded  1-wire: max. 1.5 mm²  Tightening torque  max. 0.64 Nm  Tightening torque  General data  Operating noise  Operating noise  Operating position  Electrical endurance  Ambient temperature  1-10 °C 45 °C  Housing type  Gistribution board housing  Installation type  Mounting rail (35 mm)  Height  Beyth  Module widths  2	0,5	
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max. Connection C1 cable length  Clamping area  0.4 mm² 4 mm²  Cross section solid  1-wire: max. 2.5 mm²  Tightening torque  max. 0.64 Nm  Tightening torque  max. 0.64 Nm  General data  Operating noise  Operating position  Electrical endurance  Ambient temperature  Housing type  Installation type  Housing material  Polycarbonate (PC)  Protection class  IP20  Width  B5 mm  Module widths  2	1,0	
Clamping area  0.4 mm² 4 mm²  Cross section solid  1-wire: max. 2.5 mm²  Cross section stranded  1-wire: max. 1.5 mm²  Tightening torque  max. 0.64 Nm  Tightening torque  max. 0.64 Nm  General data  Operating noise  Operating position  Clectrical endurance  Ambient temperature  -10 °C 45 °C  Housing type  Installation type  Mounting rail (35 mm)  Housing material  Polycarbonate (PC)  Protection class  IP20  Width  85 mm  Depth  65 mm  Installation depth  Module widths  2		screw-type terminal top and bottom
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Height 85 mm  Depth 65 mm  Installation depth 58 mm  Module widths 2	Protection class	IP <sub>20</sub>
Depth 65 mm Installation depth 58 mm Module widths 2	Width	36 mm
Installation depth 58 mm  Module widths 2	Height	85 mm
Module widths 2	Depth	65 mm
	Installation depth	58 mm
Design requirements/Standards FN 60660-1	Module widths	2
	Design requirements/Standards	EN 60669-1

## **Dimensions**



Dimensional drawing Group view

## Wiring example



Wiring diagram