

Component

I/O Subassembly

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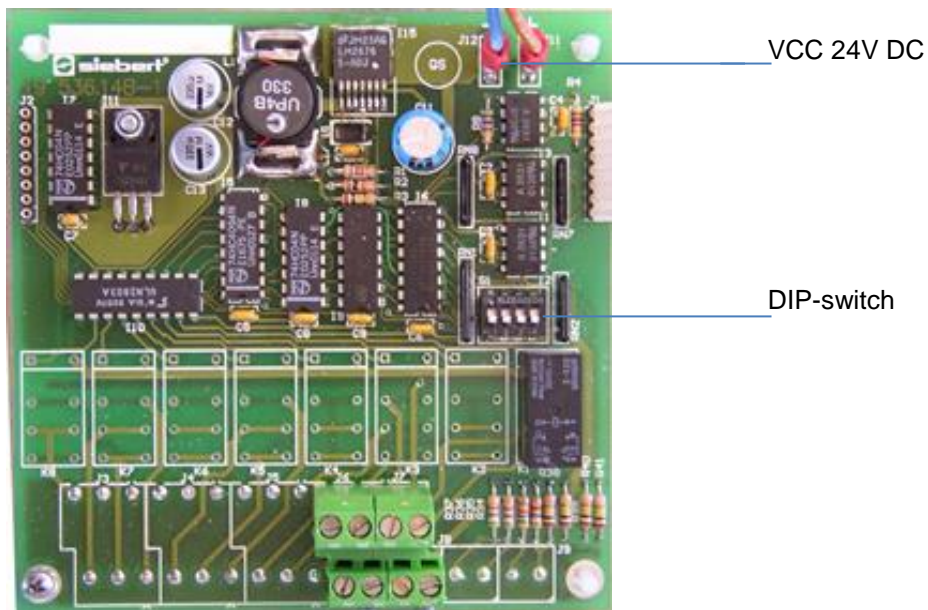
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1 I/O Subassembly

Function

By using the I/O subassembly, displays of the series S302/SX302 and SX502 can be expanded up to a maximum of eight potential-free outputs (relay switch-over contacts), depending on the version.

I/O Subassembly



Terminal assignment

NO1-NO8:	Closer for relay 1 - 8
NC1-NC8:	N/C contact for relay 1 - 8
CO1-CO8:	Center contact for relay 1 - 8
M:	Reference potential
P:	+24VDC /max. 100mA

Switching function

Alternatively, to the purely static activation of the relays, a wiping function can be selected via DIP-switch. Once activated a relay remains switched on for the desired time and then switches off automatically. Therefore, an explicit switch-off is no longer necessary.

The wipe function is only available for the first two relays.



* factory settings

Relay 1

DIP1	DIP2	
OFF	OFF	static
ON	OFF	1 s
OFF	ON	2 s
ON	ON	4 s

Relay 2

DIP3	DIP4	
OFF	OFF	static
ON	OFF	1 s
OFF	ON	2 s
ON	ON	4 s

Relay-activation

The individual relays on the I/O subassembly are activated with the following control commands depending on the display series:

Series S302/SX302

<ESC>QA0	Switching output relay 1 not activated
<ESC>QA1	Switching output relay 1 activated
<ESC>QB0	Switching output relay 2 not activated
<ESC>QB1	Switching output relay 2 activated
<ESC>QC0	Switching output relay 3 not activated
<ESC>QC1	Switching output relay 3 activated
<ESC>QD0	Switching output relay 4 not activated
<ESC>QD1	Switching output relay 4 activated
<ESC>QE0	Switching output relay 5 not activated
<ESC>QE1	Switching output relay 5 activated
<ESC>QF0	Switching output relay 6 not activated
<ESC>QF1	Switching output relay 6 activated
<ESC>QG0	Switching output relay 7 not activated
<ESC>QG1	Switching output relay 7 activated
<ESC>QH0	Switching output relay 8 not activated
<ESC>QH1	Switching output relay 8 activated

Series SX502

\$QA0	Switching output relay 1 not activated
\$QA1	Switching output relay 1 activated
\$QB0	Switching output relay 2 not activated
\$QB1	Switching output relay 2 activated
\$QC0	Switching output relay 3 not activated
\$QC1	Switching output relay 3 activated
\$QD0	Switching output relay 4 not activated
\$QD1	Switching output relay 4 activated
\$QE0	Switching output relay 5 not activated
\$QE1	Switching output relay 5 activated
\$QF0	Switching output relay 6 not activated
\$QF1	Switching output relay 6 activated
\$QG0	Switching output relay 7 not activated
\$QG1	Switching output relay 7 activated
\$QH0	Switching output relay 8 not activated
\$QH1	Switching output relay 8 activated

The relay commands only become effective after the telegram has been completed.

Technical data

Relay switching contact max. 24V DC/1A

Examples of connection

A signal siren (example 230VAC/3A) is to be controlled via a serial data string. An additional load relay K1 is activated via the I/O module (E/A Baugruppe).

