

**NEW**

# Logic relays, display system CL range

Benefits and advantages, Approvals and marks

## Concept

CL range logic relays are suitable for small and medium-sized control tasks and are able to substitute logic wiring in a quick and simple manner.

They can be used for applications in control as well as for timing functions, e. g.

- in buildings, lighting systems, air-conditioning systems, general control functions,
- in small machines and systems or
- as stand-alone control module for small applications.

## Steps to the application of CL range

- CL range can be used easily, rapidly and comfortably without any time-consuming planning and programming.
- The user can discover the advantages and the benefit of these logic relays in no time at all.
- CL range provides for the control statements according to a simple circuit diagram.
- Setup, storage, simulation and documentation are performed using the compact and user-friendly CL-SOFT software (CL-LAS.PS002).

## Software characteristics (CL-SOFT)

- display on a PC monitor according to IEC, ANSI
- up to 10 languages to choose from
- easy installation on all Microsoft Windows™ operating systems

## Technical Data

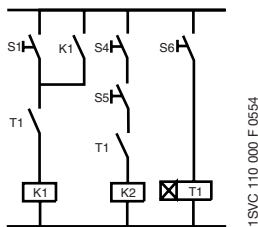
### Logic relays

- 8 or 12 digital inputs
- 4 or 6 digital relay outputs
- optionally with 4 or 8 transistor outputs
- 128 current paths
- 3 contacts as n/o or n/c contacts in series plus 1 coil per current path
- optionally with 2 or 4 analog inputs (not 100-240 V AC version)
- power flow display for checking the circuit diagram (devices with display)
- expansions for local or remote level
- enclosure color RAL 7035
- DIN rail mounting

### Display system

- useable as remote display or as compact HMI logic relay
- fully graphic, backlit display module
- 12 digital inputs
- 4 digital relay outputs
- optionally with 4 transistor outputs
- 265 current paths
- 4 contacts as n/o or n/c contacts in series plus 1 coil per current path
- optionally with 4 analog inputs (not 100-240 V AC version)
- networking-compatible via CL-NET
- front panel mounting
- expansion for local

## Logic links instead of wiring



## Software

- 16 timing relays 0.01-99:59 h
- 16 counting relays for up-, down counting
- 8 weekly timer, 8 annual timers
- 16 analog value comparators
- 16 free editable text display
- 32 markers or auxiliary relays

		Logic relays				Expansions			Display modules				Accessories	
		CL-LSR	CL-LST	CL-LMR	CL-LMT	CL-LER	CL-LET	CL-LEC	CL-LDD	CL-LDC <sup>1)</sup>	CL-LDR	CL-LDT	CL-LAS <sup>2)</sup>	CL-LAD <sup>3)</sup>
<b>Approvals</b>														
UL	UL	■	■	■	■	■	■	■	■	■	■	■	■	■
CSA	CSA 22.2 (hazardous locations)	■	■	■	■	■	■	■	■	■	■	■	■	■
CSA	CSA	■	■	■	■	■	■	■	■	■	■	■	■	■
GOST	GOST	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Marks</b>														
CE	CE	■	■	■	■	■	■	■	■	■	■	■	■	■
C-Tick	C-Tick	■	■	■	■	■	■	■	■	■	■	■	■	■

<sup>1)</sup> not for: CL-LER.18DC2, CL-LER.20

<sup>2)</sup> not for: CL-LAS.PS002, CL-LAS.TD001, CL-LAS.FD001

<sup>3)</sup> not for: CL-LAD.TKxxx - only UL, CSA