COMPACT

MURR ELEKTRONIK

stay connected

THE TIME SAVER

Murrelektronik's new optocoupler attracts attention in the control cabinet because its connecting terminals light up. Another unique feature is that it combines four optocouplers in one module. This enables convenient and practical installations. Even better, this compact solution reduces costs in several aspects.

The four channel optocoupler (art. no. 50015) features lighted spring clamp terminals. With a large signal area they indicate the status of the individual channels. Now the service technician can see, at a glance, where the failure occurred.

The four channel optocoupler is designed for capacities of up to four times 2 A. This makes it a perfect tool to switch high capacity loads, for example with hydraulic valves.

The compact modules, featuring a width of only 22.5 millimeters reduce the amount of wiring. So far, the technician had to plug four separate components onto the DIN rail and then bridge them together. This takes too long! Now, with the four channel optocoupler, this process is done in no time at all. It reduces the mounting costs and saves a lot of time. This is an excellent advantage for applications with a lot of optocouplers. Another simple idea from Murrelektronik that saves time and money!

YOUR BENEFITS

- Four channels – width: 22.5 mm
- Maintenance-free spring clamp terminals
- High switching frequency
- Common 0V potential for all inputs – reduces wiring efforts
- Common +24 VDC supply for all outputs – reduces wiring efforts
- High switching current

Lighted Terminals

- Channel-specific distinction
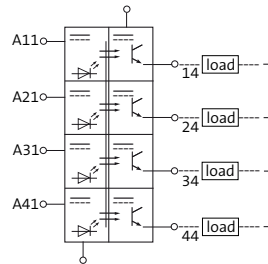- Directly next to the wire
- Easy to see

Optocouplers

- Long lifespan
- No mechanical wear
- Shortest possible switching times
- Silent operation
- High resistance to shock and vibration

COMPACT

3 X 0 V$_{INPUT}$
(common potential)

■ A2

4 X INPUT
(LED terminal)

■ A11/A21/A31/A41

4 X OUTPUT 2A

■ 14/24/34/44

3 X 24 V DC$_{OUTPUT}$
(common potential)

■ +13

AMS

Circuit diagram

Ordering data	Art.-No.
Spring clamp terminal	**50015**
24 V DC	
Input	
Voltage range „ON"	20...30 V DC
Voltage range „OFF"	0...6 V DC
Nominal current	3 mA
Status indication	yellow LED, status given with lighted terminal
Output circuit	
Switching voltage min./max.	5...30 V DC
Switching current min./max.	1 mA...2A
Saturation voltage (across output)	< 0,5 V DC, < 0,05 V DC
Leakage current (when output is open)	< 0,3 mA, < 0,01 mA
Switching time ON/OFF	1 ms/5 ms
Switching frequency resist./inductive	10/1 Hz
General data	
Test isolation voltage	EN 55022B, EN 61000-3-2, EN 60950-1
Temperature range	-25...+ 50 °C
Housing	black plastic, flame retardant
Mounting method	DIN-rail mounting (TH35) or (G32) acc. to EN 60715