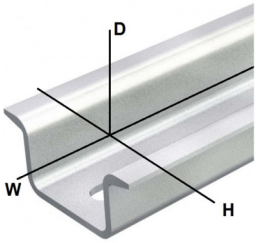
5x2LED##ArrayModule

LED-Array-Module

The 5x2LED##ArrayModule is an LED array module. This module was specifically designed for the visualization of status signals. Its compact design allows up to ten discrete signals to be displayed. Each individual LED can be labeled with an 8x20mm tag for personalized identification. Furthermore, the module includes a test button with a potential-free switching contact, which can be evaluated and utilized for a lamp test function.



RoHS COMPLIANT

Key commercial data

Packing unit	1 pc
Weight per piece (excluding packing)	110g
Weight per piece (including packing)	120g
Country of origin	Germany

Technical data mechanically

Width (W)	76mm
Height (H)	128mm
Depth (D)	48mm
Ambient temperature (operation)	0°C … 50°C
Ambient temperature (storage/transport)	-20°C … 70°C
Relative humidity	90% without condensation
Mounting position	any

Technical data electric

Nominal voltage U_N	21V … 28V DC
Reverse polarity protection	Yes
Limits LED – X1	max 28V DC
Limits of relay contacts – X2	max 1A/30V DC
Protection class	IP20

 Subject to change without notice

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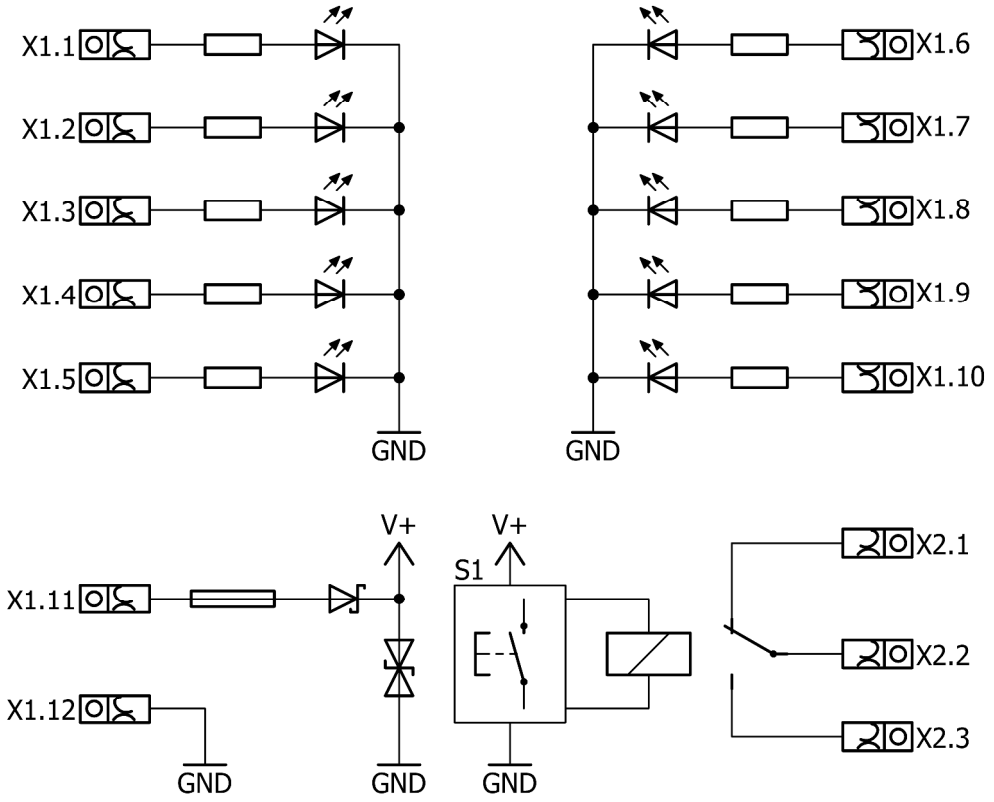
Connection data PCB terminal X1/X2	
Connection type	Push-in spring connection
Conductor cross section solid	0,25mm^2 … 1,5mm^2
Conductor cross section flexible	0,25mm^2 … 1,5mm^2
Conductor cross section with ferrule, with/ without plastic sleeve	0,25mm^2 … 1,5mm^2
Stripping length	10mm

Standards and Regulations

Standards/regulations	EN IEC 61000-6-2: 2019
	EN 61000-6-3: 2007 +A1:2011 +AC:2012
	EN 50178: 10/97

PIN assignment



PIN	Functional description
X1.1-10	LED 01 to 10
X1.11	Power supply U_N
X1.12	
X2.1-3	Test button with a potential-free switching contact

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Safety regulations and installation notes

	WARNING: Danger to life by electric shock! • Never carry out work when voltage is present. • Protect the device against foreign bodies penetrating it.
	NOTE: Danger if used improperly! • The device is a built-in device. • The IP20 degree of protection (IEC 60529/EN 60529) of the device is intended for use in a clean and dry environment. Do not subject the device to any load that exceeds the described limits. • Observe mechanical and thermal limits. • Ensure that the primary-side wiring and secondary-side wiring are the correct size and have sufficient fuse protection.
	• It is not permissible to open or modify the device. Do not repair the device yourself but replace it with an equivalent device. Repairs may only be carried out by the manufacturer. The manufacturer is not liable for damage resulting from violation. • The device may only be used for its intended use.

Pictures