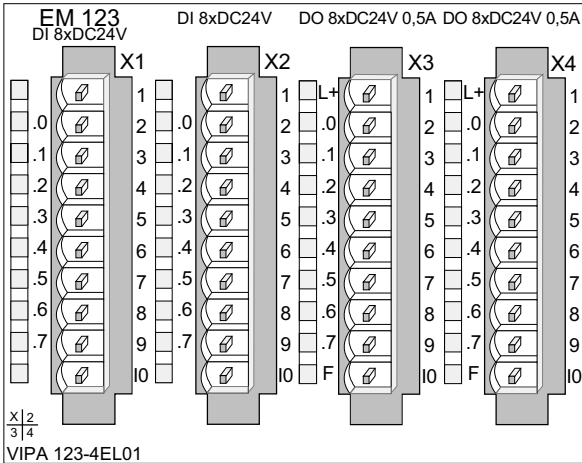


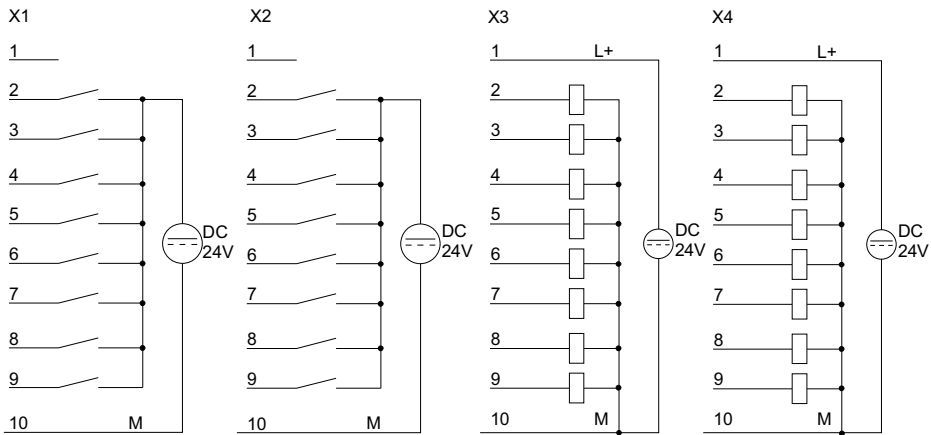
123-4EL01 - DI 16xDC 24V / DO 16xDC 24V 0.5A

Structure

Position X1	Position X2	Position X3	Position X4
DI 8xDC 24V	DI 8xDC 24V	DO 8xDC 24V 0.5A	DO 8xDC 24V 0.5A

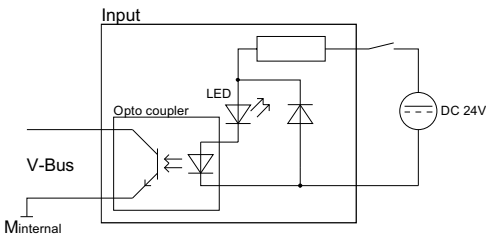


Circuit diagram

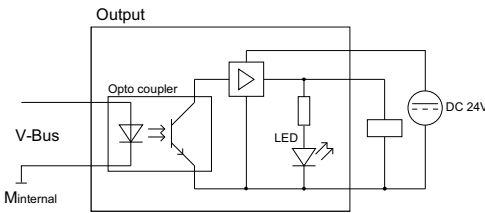


Schematic diagram

Input section



Output section



Technical data

Electrical Data	VIPA 123-4EL01
Power supply L+	DC 24V
- reverse polarity protection	yes
Current consumption per backplane bus	110mA
Potential separation - between channels and back plane bus - between the channel groups	yes yes
Permitted potential difference - between the channel groups	DC 75V / AC 60V
Potential separation	500V _{rms}
Current consumption at L+ without load (all A.x=on)	max. 100mA (50mA / per output group)
Power dissipation of the module	3.6W
Input section	
Number of inputs - in groups of	16 8
Nominal input voltage	DC 24V
Signal voltage "0"	0 ... 5V
Signal voltage "1"	15 ... 28.8V
Input filter time delay - from "0" to "1" - from "1" to "0"	3ms 3ms
Input current	typ. 7mA
Voltage supply	internal
Status monitoring	via LEDs at the front side
Output section	
Number of outputs - in groups of	16 8
Length of cable - unshielded	600m
Nominal load voltage	DC 24V via external power supply
Output current per channel	0.5A
Total current of the outputs - per group	4A
Output delay resistive load - from "0" to "1" - from "1" to "0"	100μs 110μs
Lamp load max.	5W
Parallel connection of 2 outputs	not possible

continued ...

... continue

Output section	
Switch rate max. - for resistive load - for inductive load	1kHz 0.5Hz
Limit (internal) of the inductive circuit interruption voltage	typ. L+ (-52V)
Short-circuit protection of the output -Threshold on	yes 1A
Status monitoring	via LEDs at the front side
Dimensions and Weight	VIPA 123-4EL01
Dimensions (WxHxD) in mm	101.6 x 76 x 48
Weight	220g