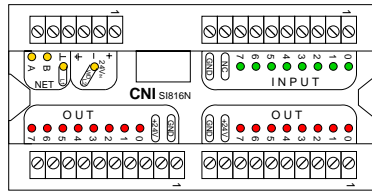


## SI816N module (8 Inputs + 16 Static outputs)



### Technical characteristics:

#### General characteristics:

<i>Power supply voltage</i>	24 Vdc	<i>with <math>V_{IN}=24V</math></i>	typ 10 mA
<i>Input voltage range</i>	Vdc $\pm 15\%$ Vdc	<i>Delay times</i>	
<i>Maximum Power supply (without inputs)</i>	2 W	<i>low-to-high transition</i>	max 2 msec
<i>Serial connection type</i>	IOS system	<i>high-to-low transition</i>	max 2 msec
<i>transmission speed</i>	RS485	<i>Logical status visualization</i>	green leds
<i>diagnosis</i>	750 K baud	<i>Connection</i>	pull-out terminal board (screw type)
<i>Serial led (yellow)</i>	OK=always on		
<i>WD led (yellow)</i>	OK=blinking f = 6 Hz approx.		

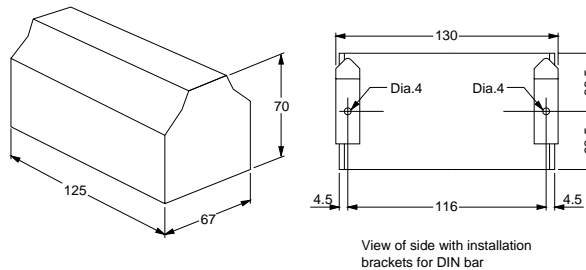
#### Input Technical characteristics:

<i>Number of inputs</i>	8
<i>Rated input voltage <math>V_{IN}</math></i>	24 Vdc
<i>Input voltage <math>V_{IN}</math></i>	
<i>high state</i>	min 16 V
<i>low state</i>	max 8 V
<i>Input voltage <math>V_{IN}</math></i>	
<i>accidental tolerance</i>	max 110 Vac
<i>Input current</i>	

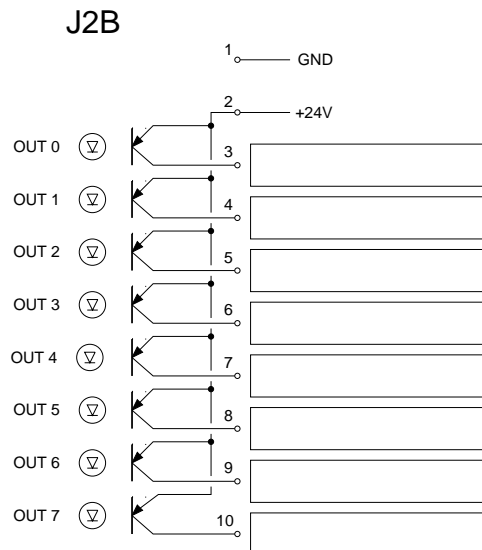
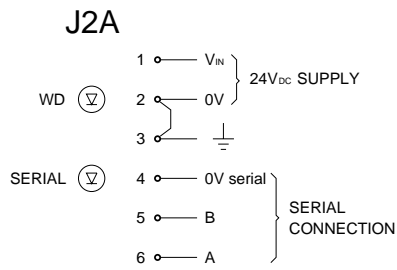
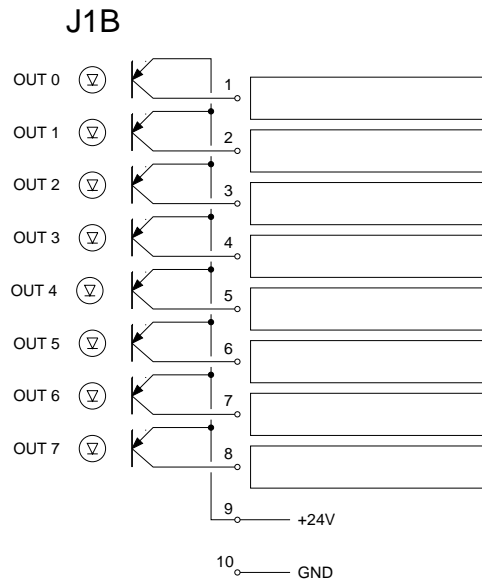
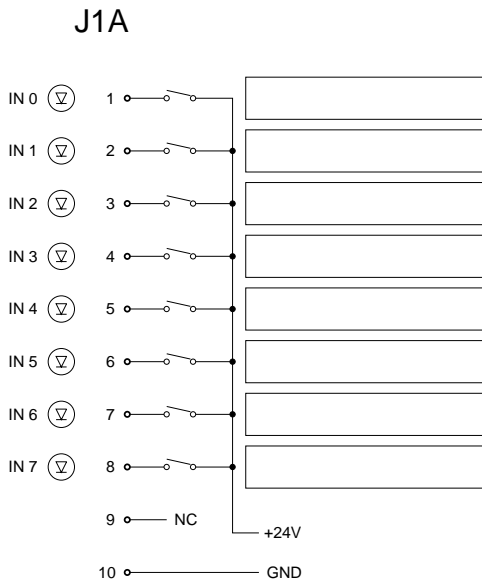
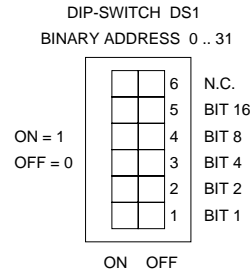
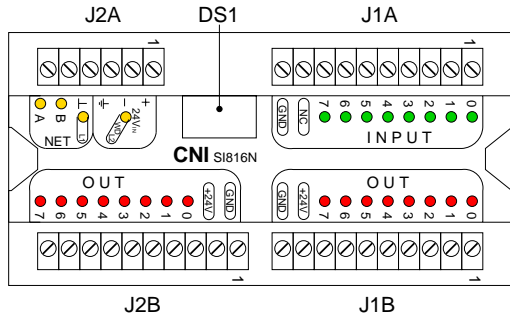
#### Static outputs Technical characteristics:

<i>Single overload and short-circuit protection</i>	
<i>Number of outputs</i>	16
<i>Rated input voltage <math>V_{IN}</math></i>	24Vdc
<i>Supply voltage <math>V_{IN}</math> range</i>	12 - 35V
<i>Output current <math>I_{OUT}</math></i>	max 700 mA
<i>Output voltage for high state (<math>I_{OUT}=0,7A</math>)</i>	min Vout = $V_{IN} - 0,3V$
<i>Clamp diode for inductive load</i>	1A
<i>Logical status visualization</i>	red leds
<i>Connection</i>	pull-out terminal board (screw type)

### SI816N Physical dimensions and Installation



# SI816N EXTERNAL CONNECTIONS



- J1A: 10 pin pull-out terminal board (screw type)
- J2A: 6 pin pull-out terminal board (screw type)
- J1B: 10 pin pull-out terminal board (screw type)
- J2B: 10 pin pull-out terminal board (screw type)