NOX CMO • N233-G3

NOX CMO (rev. F)

NOX CMO module is a card reder interface for card readers with OSDP protocol. NOX CMO can handle both in- and out reading in the same module. For every card reader up to 3 LEDs with up to 4 different colors are suported.

NOX CMO specification

- OSDP card reader interface
- Protocol-directed LED and buzzer (up to 3 LEDs with up to 4 different colors)
- In/Out reading in the same module
- Up to 204 pre-definied cards will be in function even if the communication to the NOX Central is interrupted.
- The 204 cards can be definied as cyclic, absolut or a combination of both.
- 1 programmable resistance supervised input
- 1 programmable solid state relay output
- 1 programmable Open Collector output
- 2 TTL input



Technical data					
	Unit	Min.	Nominal	Max.	
Supply voltage	VDC	8.0	15.0	16.0	
Current consumption @ 15 VDC (Solid state relay ON)	mA	15	16	27	
Operating Tempreature range	°C	0	25	40	
Air humidity @40°C (Non-condensing)	% RH			93	
Input resistance, Absolute Max rating	kΩ	2		300	
Input resistance, recommended range	kΩ	3.5	12	50	
15 VDC Output, self-resetting fuse (Pin 1) @ 20°C	mA			200	
5 VDC Output (Pin 4) continously	mA			45	
5 VDC Output (Pin 4) 5 s	mA			200	
5 VDC Output (Pin 4) 10 ms	mA			500	
Contact rating relay @ 40°C, continously		max. 30VDC / 0.8A			
Contact rating relay @ 40°C, peak (up to 10 ms)		max. 30VDC / 3A			
Contact on resistance relæ				1	
Open collector output (Pin 3)		max. 30 VDC / 350 mA			
Open collector peak current (up to 1 sek.)	mA			500	
Open collector leakage current in "Off" state	μΑ			2	
TTL Inputs (Pin 6 and 7)	V		5.0	5.5	
Measurements - cabinett (L x B x H)	mm	85 x 66 x 27			
Sabotage sensor, distance to mounting surface	mm	3	10	40	
Cable length for inputs / outputs on terminal P3	m			30 [*]	
Protection class according to IEC 60529	m	IP2O			



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Terminal Assignment						
Terminal P2	+	-	Α	В		
Pin	8 - 16 VDC	GND	Bus A	Bus B		
Description	Supply volt	age (VBUS)	NOX Bus connection			
Terminal P3	1	2	3	4	5	6
Pin	15 V Out	Input	ОС	5 V Out	GND	IO1
Description	8-16 VDC Output	Detector input	Open collector output	Power		TTL input 1
	7	8	9	10	11	12
Pin	102	RS485-A	RS485-B	N.O.	Common	N.C.
Description	TTL inputs	OSDP Co	ard reader		Relay	

NOX CMO functions					
Function	Description				
Reader	Both in- and out readers connected on the same RS485 Bus				
Communication	RS485 with 9600, 19200 and 38400 baud. CRC with LSB/MSB or MSB/LSB				
LED's	Up to 3 LED's per reader withup to 4 different colours (red, green, yellow, blue) Free programmable , including blinking 2 colors				
Supervision	Communication between NOX CMO and reader is supervised				
I/O on reader	- up to 3 inputs on reader - up to 2 outputs on reader				
Buzzer	Free programmable on reader	59 48-/-ass			
Tamper	Tamper contact of reader is supported				
Keypad	Supported with key 0 to 9, * and #				
Setting functions	- Card - User code - Fix code + card - User code + card - User code + card - Pin code + card - Card + fix code - Card+ user code - Card+ pin code - Fix code + card + pin code - Fix code + card + user code	S S S S S S S S S S S S S S S S S S S			



