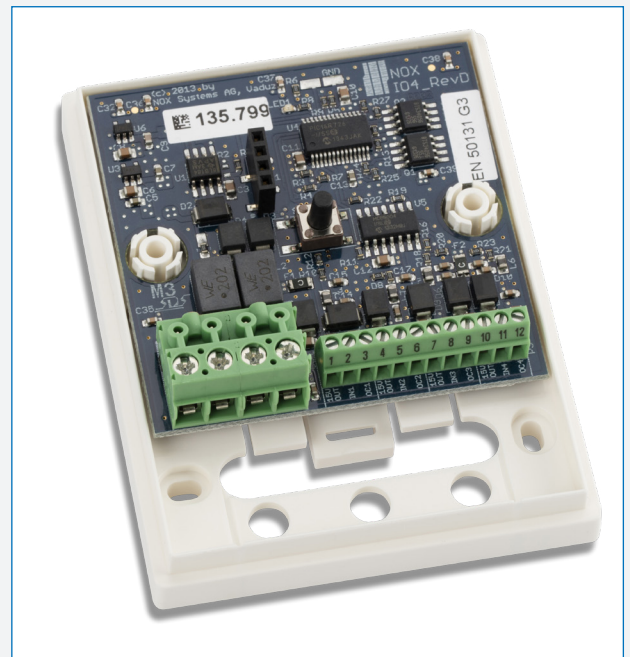
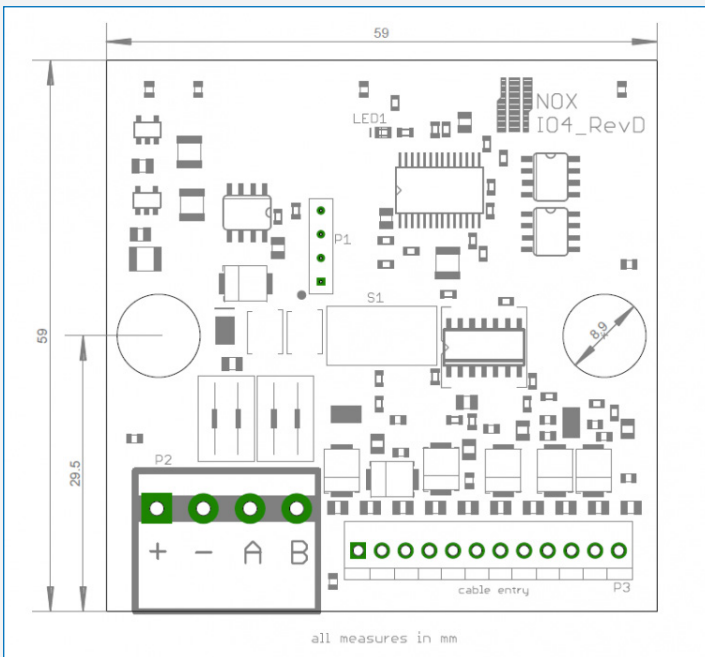


NOX IO4 -G3 • N119-G3

NOX IO4 -G3 (Rev. D)

NOX IO4 unit is a universal input/output (I/O) module connected to the NOX Bus. IO4 contains 4 supervised inputs for resistors (measurement range from 2k Ω to 300k Ω) and 4 open collector outputs.

Outputs are active by default, enabling GND on each IO.



NOX IO4 -G3 specifications

- 4 supervised inputs, 2k Ohm to 300k Ohm resistance is individually configurable for each input in steps of 100 Ohm.
- Every input can be double and triple balanced, so both the alarm, sabotage and anti-mask can be connected to the same input.
- 4 open collector outputs (up to 350 mA per output)
- Outputs are visualized and monitored real time by the use of PLC logic functions.
- Resistance compensation per input enables very long distances between the module and the detection point.
- Integrated tamper switch and optical tamper sensor on the back.



NOX IO4 -G3 • N119-G3

Technical Data				
	Unit	Min.	Nominal	Max.
Supply voltage (VBUS)	VDC	8.0	15.0	16.0
Current consumption	mA			7
Operating temperature	°C	0	25	40
Air humidity at 40 ° C (non condensing)	% RH			93
Input resistance, absolute max rating, input 1 to 4	kΩ	2		300
Input resistance, recommended range, input 1 to 4	kΩ	3.5	12	50
Self-resetting fuse VBUS 1 + VBUS 2 together	mA			200
Self-resetting fuse VBUS 3+ VBUS 4 together	mA			200
Open collector current, output 1 to 4	mA			350 each
Open collector Peak current, output 1 to 4	mA			500
Open collector leakage current "Off" state	μA			2
Back tamper sensor (only N119-G3) distance to mounting surface	mm	3	10	40*
Cable length for any connection to terminal P3	m			30
Dimensions (L x B x H)	mm	85 x 66 x 27		
Protection according to IEC 60529:2001		IP20		

Depends on surface characteristics

Terminal connections						
Terminal P2	+	-	A	B		
Pin	8 - 16 VDC	GND	Bus A	Bus B		
Description	Supply voltage (VBUS)		NOX Bus connection			
Terminal P3	1	2	3	4	5	6
Pin	VBUS 1	Input 1	Output 1	VBUS 2	Input 2	Output 2
Description	IO block 1			IO block 2		
	7	8	9	10	11	12
Pin	VBUS 3	Input 3	Output 3	VBUS 4	Input 4	Output 4
Description	IO block 3			IO block 4		

