

# Input module VAEM-XA-E-8E-N-K2

Part number: 8196630

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	41.8 mm x 60.5 mm x 20.9 mm
Diagnose per internal communication	Short circuit/overload Power OUT PL
Max. number of modules	6
No. of inputs	8
Input debounce time	3 ms
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typically 4 mA
Max. number of inputs	8
Nominal operating voltage DC for electronics/sensors	24 V
Power failure buffering	10 ms
Switching level	Signal 1: $\geq 11$ V
Fuse protection inputs (short circuit)	Internal electronic fuse per module
Behavior after end of overload of the sensor supply	Automatic return (default)
Voltage drop of sensor supply	1 V
Max. residual current of inputs per module	0.2 A
Electrical isolation of inputs between channels	no
Contamination level	2
Permissible voltage fluctuations for electronics/sensors	$\pm 25$ %
Permissible voltage fluctuations load	$\pm 10$ %
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
KC characters	KC EMC
Max. cable length	30 m inputs
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C...70 °C
Relative air humidity	5 - 95 %
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop

Feature	Value
Degree of protection	IP20
Overvoltage category	II
Ambient temperature	-5 °C...50 °C
Certification	RCM compliance mark
Nominal altitude of use above sea level	<= 2000 m NHN
Product weight	32 g
Input characteristics	as per EN 61131-2
Input switching logic	NPN (negative switching)
Electrical connection	Spring-loaded terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, number of pins/wires	3
Electrical connection 1, occupied pins/wires	24
Electrical connection 1, tightening torque	0.7 Nm
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, function	Digital input
Material of plug housing	PA
Electrical connection for input, conductor cross section	0.2 mm <sup>2</sup> ...1.5 mm <sup>2</sup>
Electrical connection for input, AWG conductor cross section	AWG28 - AWG16
Electrical connection for output, information on conductor cross section	0.09 - 1.5 mm <sup>2</sup> for flexible conductors without wire end sleeves
Film material	Polyester
Note on materials	RoHS-compliant