Input module
VAEM-XA-E-8E-P-K2

Part number: 8196631

Data sheet

Feature	Value
Dimensions (W x L x H)	41.8 mm x 60.5 mm x 20.9 mm
Diagnostics per internal communication	Short circuit/overload Power OUT PL
Max. number of modules	6
Number 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 DC operating voltage, electronics/sensors	24 V
Power failure bridging	10 ms
Switching level	Signal 1: >= 11 V
Fuse protection of inputs (short circuit)	Internal electronic fuse per module
Behaviour 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
Pollution degree	2
Permissible voltage fluctuations for electronics/sensors	± 25%
Permissible voltage fluctuation of load	± 10%
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
KC mark	KC-EMV
Max. cable length	30 m inputs
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to 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
Approval	RCM trademark
Nominal altitude of use	<= 2000 m NHN
Product weight	32 g
Characteristic for inputs	To EN 61131-2
Switching logic for inputs	PNP (positive switching)
Electrical connection	Spring-loaded terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, number of connections/cores	3
Electrical connection 1, used connections/cores	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 connector housing	PA
Electrical connection for input, conductor cross section	0.2 mm²...1.5 mm²
Electrical connection for input, AWG conductor cross section	AWG28 - AWG16
Electrical connection for output, note on conductor cross section	0.09 - 1.5 mm² for flexible conductors without wire ferrules
Material foil	Polyester
Note on materials	RoHS-compliant