

DATASHEET

KE-IO3144

Excellence series intelligent addressable 4 input / 4 output unit with isolator

MAIN FEATURES

- Excellence series intelligent addressable 4 input / 4 output unit with isolator



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	Loop powered
Operating voltage	17 to 29 VDC
Current consumption	2.5 mA @ 24 VDC (active) 350 µA @ 24 VDC (standby)
Communication voltage	4 to 11 V (pulsed)
Loop current	2.5 mA (active)
Switch current	1.05 A (continuous) / 1.4 A (short)
Leakage current	<1 mA
Isolation voltage	14 to 15.5 VDC
Reconnect voltage	14 to 15.5 VDC

Inputs / outputs

Input quantity	4
Input type and rating	Bi-level, Supervised
Input states	Active, Fault, Normal, Open, Short
Output quantity	4
Output type and rating	Relay, 2A @ 30 VDC (resistive load)
Quantity per loop	128

Physical characteristics

Physical dimensions	148 x 102 x 27 mm (W x H x D)
Net weight	145 g
Colour	Signal white (RAL 9003)

KE-IO3144

TECHNICAL SPECIFICATIONS

Mounting type	DIN-rail, Surface mount, Wall mount
Material	PC / ABS
Environmental characteristics	
Operating temperature	-22 to +55°C
Storage temperature	-30 to +65°C
Relative humidity	10 to 93% noncondensing
Environment	Indoor
IP rating	IP30
Other characteristics	
Status indication	Tri-coloured LEDs
Compatibility	Kidde Commercial Excellence Systems
Addressing method	DIP Switches
Address range	1 to 128
Pre-alarm resistor	3 kΩ to 7 kΩ
Alarm resistor	0.3 kΩ to 3 kΩ
Termination resistor	15 kΩ, ¼ W, 1%
Cable specification	0.5 to 4.9 mm ² (10 to 20 AWG) shielded/unshielded twisted-pair
Type	Negative line break
Series resistance	<0.08 Ω
Impedance requirements	≤32 devices between isolators
Vandal proof	No
Compliance	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-17, EN54-18
Category	Reference
Enclosures	N-IO-MBX-1
Interface unit	N-IO-SBX-2G