KEYSIGHT TECHNOLOGIES (AGILENT HP)

E1345A

The Keysight (Agilent/HP) E1345A is a B-size, 1-slot, register-based VXI module containing a 16-channel low-offset reed relay multiplexer. It consists of the E1345-66201 component card and a detachable screw terminal block, designed for high-performance signal routing and scanning with Agilent/Keysight DMMs.

SPECIFICATIONS

General

Interfaces	VXIbus (Register-based)

Physical

Power Supply	+5 V @ 0.1 A, +12 V @ 0.08 A (VXI backplane draw)
Operating Temperature	0 to 55 °C °C
Dimensions (W×H×D)	B-size, 1-slot VXI module mm

General & Configuration

Number of Channels	16 channels (3-wire: High, Low, Guard)
Switching Configuration	1 x 16 (3-wire), 2 independent 1 x 8 (3-wire), or 1 x 8 (6-wire)
Relay Type	Low thermal offset reed relay
Multiplexer Topology	Tree-switched common (High, Low, Guard)
VXI Module Size	B-size, 1-slot
VXI Programming Interface	Register-based
Component Card Part Number	E1345-66201
Compatible Mainframes	Keysight/Agilent/HP B-size or C-size (with adapter) VXI mainframes
Functional Similarity	Similar to E1347A

Signal Integrity & DC Performance

Thermal EMF / Offset Voltage	< 4 µV
Signal Conditioning Support	Shunt/series signal conditioning elements

Connectivity & Interface

Terminal Block Connection Type	Screw terminal block

Electrical Specifications

Maximum Switching Voltage	120 Vrms / 170 V peak
Maximum Switching Current	100 mA
Maximum Carry Current	1 A
Maximum Switching Power	10 W / 10 VA
Bandwidth	10 MHz

Switching Characteristics

Maximum Scan Speed	30 channels/s
Relay Life (No Load)	10^8 operations

TECHNOLOGY

Reed Relay Multiplexer

APPLICATIONS

Data Acquisition, High-Precision Signal Switching, Low-Thermal DMM Scanning

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.