ABB CS31

Product Data Sheet

ICSI16E1

Isolated Digital Input Unit

DIGITAL INPUT CHANNELS	NOMINAL INPUT VOLTAGE	INPUT OFF SIGNAL RANGE	INPUT ON SIGNAL RANGE
16	**24 V DC**	**-3 to +5 V DC**	**+15 to +30 V DC**

ABB ICSI16E1 is a CS31 isolated digital input unit with sixteen 24 V DC signal inputs. Each input draws 6 mA at 24 V DC and has a 1500 V AC optoisolation rating. The OFF range is -3 to +5 V DC and the ON range is +15 to +30 V DC.

01 TECHNICAL DATA

Digital input channels	16
Nominal input voltage	24 V DC
Input OFF signal range	-3 to +5 V DC
Input ON signal range	+15 to +30 V DC
Input current at 24 V DC	6 mA
Input optoisolation rating	1500 V AC
Nominal input delay	8 ms
Effective input delay	13 ms
Open-circuit detection	None
DC-powered variant supply	24 V DC

ABB ICSI16E1 technical reference; confirmed shared specifications with variant-specific ratings identified separately.

02 ADDITIONAL PRODUCT DATA

AC-powered variant supply	120 or 230 V AC, 50/60 Hz
Maximum DC-variant supply current	0.2 A
Maximum AC-variant apparent power	10 VA
Maximum DC-variant power dissipation	4.5 W
Maximum AC-variant power dissipation	8 W

03 PRODUCT FUNCTION

The nominal input delay is 8 ms, with an effective value of 13 ms stated in the connection reference. Supply versions are separate: 24 V DC, 120 V AC and 230 V AC. These are unit power-supply selections, not alternate input-signal voltages. DC and AC versions also have different supply consumption and power-dissipation limits.

04 SYSTEM COMPATIBILITY

Retain the existing channel identification and field-circuit reference arrangement. The ABB migration document presents a later ICMK/XI16E1 arrangement separately, so its terminal layout and electrical limits must not be assumed to be those of the original unit.

05 REFERENCE

ABB ICSI16E1 technical reference; confirmed shared specifications with variant-specific ratings identified separately.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM