CONTROLEDGE HC900

Product Data Sheet

900G32-0101

32-point sinking DC input module

DIGITAL INPUTS	INPUT GROUPING	INPUT VOLTAGE RANGE	MAXIMUM PEAK INPUT
32 sinking inputs	**Two isolated groups of 16**	**10...32 V DC**	**32 V DC**

Honeywell 900G32-0101 is the HC900 32-point sinking DC digital input module. Its channels are arranged as two isolated groups of sixteen, each with its own common-terminal pair and individual green input-state indication.

01 TECHNICAL DATA

Digital inputs	32 sinking inputs
Input grouping	Two isolated groups of 16
Input voltage range	10...32 V DC
Maximum peak input	32 V DC
Minimum ON voltage	9.5 V DC
Maximum OFF voltage	3.5 V DC
Nominal input impedance	6.9 kohm
Nominal input current at 12 V	1.7 mA
Nominal input current at 24 V	3.5 mA
Minimum ON current	1.0 mA

02 ADDITIONAL PRODUCT DATA

Maximum OFF current	0.7 mA
Maximum OFF-to-ON response	5 ms, excluding scan and backplane transmission
Maximum ON-to-OFF response	5 ms, excluding scan and backplane transmission
5 V backplane load	215 mA maximum
Terminal block	36-terminal Euro style; 900TCK-0200 for 0101

03 PRODUCT FUNCTION

The documented input range is 10...32 V DC, with a 9.5 V minimum ON threshold and 3.5 V maximum OFF threshold. Both transition response times are limited to 5 ms before controller-scan and backplane-transfer delays. The 0101 execution uses the 900TCK-0200 Euro-style 36-terminal block.

04 SYSTEM COMPATIBILITY

Use the 900TCK-0200 terminal block specified for 900G32-0101 and follow the 36-terminal input map. Verify source polarity, 10...32 V DC input range and the 30 V maximum group-isolation condition in the specification.

05 REFERENCE

Honeywell ControlEdge 900 Platform Modules Specification 51-52-03-41, January 2023; 900G32 family data and exact 0101 terminal compatibility

AMIKON PRODUCT SUPPORT

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