SAFETY MANAGER SDOL-0424

Product Data Sheet

FC-SDOL-0424 V1.5

Loop-monitored safety digital output module

OUTPUT CHANNELS	OUTPUT SIGNAL	MAXIMUM CHANNEL CURRENT	MAXIMUM MODULE LOAD
4	**24 V DC solid-state source**	**1 A**	**3.6 A**

Honeywell FC-SDOL-0424 V1.5 is a conformal-coated Safety Manager digital-output module with four loop-monitored 24 V DC sourcing channels. Each channel can drive up to 1 A, while the module total is limited to 3.6 A; the output circuitry includes suppression for inductive loads.

01 TECHNICAL DATA

Output channels	4
Output signal	24 V DC solid-state source
Maximum channel current	1 A
Maximum module load	3.6 A
Maximum load inductance	0.5 H
Maximum load capacitance	1 uF
On-state voltage drop	<1.3 V at 1 A
Off-state leakage current	<0.1 mA
5 V DC supply consumption	15 mA
Internal 24 V DC consumption	50 mA

Honeywell Safety Manager EP-SM.MAN.6284, Release151, pp.394-400; R162 section10.10, pp.523-533.

02 ADDITIONAL PRODUCT DATA

External 24 V DC consumption	15 mA, excluding output load
Watchdog input current	4 mA
Current-sense voltage drop	<1 V at 1 A
Mechanical key coding	A13 and C9
External circuit monitoring	Lead-breakage and output-short-circuit detection

03 PRODUCT FUNCTION

The module supervises lead breakage and output short circuits and tests both its primary and secondary de-energizing paths. Its specified load limits are 0.5 H inductance and 1 uF capacitance, with an on-state drop below 1.3 V at 1 A and off-state leakage below 0.1 mA.

04 SYSTEM COMPATIBILITY

Connect the internal 24 V supply at d8 and z8 and the external supply at d6/z6 and d30/z30 as shown in the manufacturer connection example. Both the external supply and a real or documented dummy load on every channel are required to avoid false lead-breakage indications.

05 REFERENCE

Honeywell Safety Manager EP-SM.MAN.6284, Release151, pp.394-400; R162 section10.10, pp.523-533.

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