I-8041W

32-channel Isolated Digital Output Module

I-8041PW

32-Channel Isolated Self Protected Digital Output Module

Model: I-8041W / I-8041PW

Features

- 32-channel Open Collector Output
- Sink-type Digital Output
- Short circuit protection, Overvoltage Protection and Overload Protection for I-8041PW
- 3750 Vrms Intra-module Isolation
- Each digital channel has its own status LED
- Optional Daughterboards

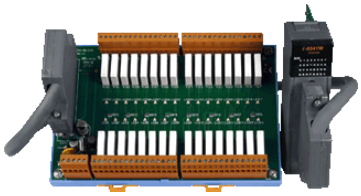
Introduction

The I-8041W/I-8041PW module offers 32 Digital Output channels, each of which features Photocouple isolation and supports sink-type output using an open collector. The I-8041W/I-8041PW includes 32 LED indicators that can be used to monitor the status of the Digital Output channels. 4 kV ESD protection and 3750 Vrms intra-module isolation is provided as standard. The I-8041W/I-8041PW can be paired with a daughterboard, such as the DN-37-381-A for easy wiring, or the DN-8K32R for relay output.

The I-8041PW integrates over-current, over-voltage and short-circuit functionality. ICP DAS recommends selecting either the "PW" version of the digital output module for industrial use.

Specifications

Model	I-8041W	I-8041PW
Digital Output		
Channels	32	
Sink/Source (NPN/PNP)	Sink	
Output Type	Isolated Open Collector	
Max Load Current	100 mA/Channel	
Load Voltage	+5 VDC ~ +30 VDC	+10 VDC ~ +50 VDC
Overvoltage Protection	-	60 VDC
Overload Protection	-	1.1 A
Short-circuit Protection	-	Yes
Intra-module Isolation, Field to Logic	3750 Vrms	
LED Display		
1 LED as Power Indicator		
32 LEDs as Digital Output Indicators		
Power		
Power Consumption	1.5 W Max.	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-30 ~ +85 °C	
Humidity	5 ~ 95% RH, Non-condensing	
Dimensions		
30 mm x 85 mm x 114 mm (W x L x H)		



I-8041W / I-8041PW and I-87041W / I-87041PW with DN-8K32R

I-8040W / 40P / 41W / 41AW / 42W and I-87040W / 41W with DN-37-381-A

Ordering Information

I-8041W-G CR	32-channel Isolated Digital Output Module (Gray Cover) (RoHS) Art. No. 120398
I-8041PW-G CR	32-channel Isolated Self Protected Digital Output Module (Gray Cover) (RoHS) Art. No. 146163