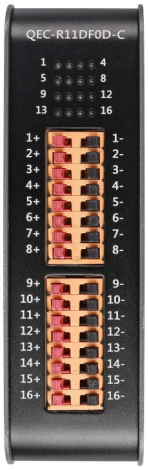


Features:

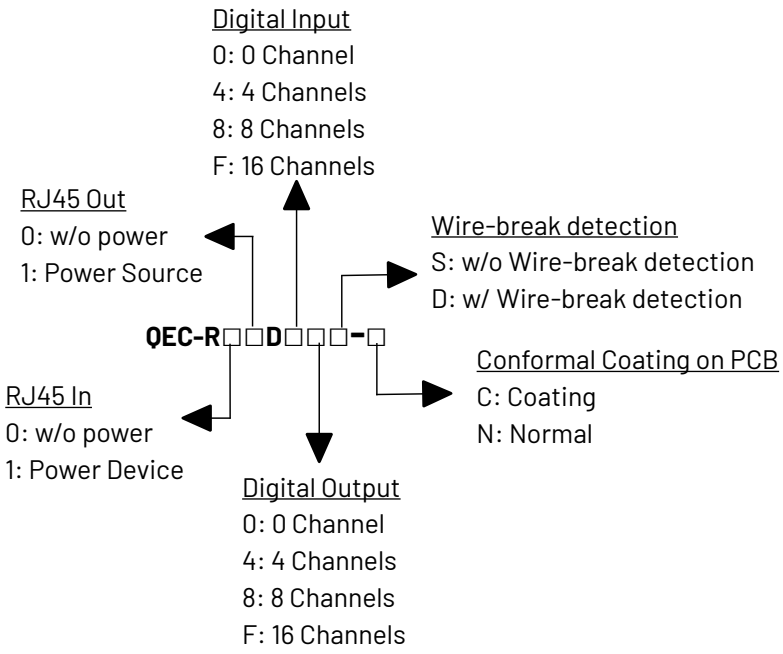
- Suitable for EtherCAT protocol
- 16-ch Digital Input / 16-ch MOS Relay Digital Output
- 1500 Vrms Optical Isolation for each Digital I/O
- Vp/Vs Dual Isolated Power Input with Redundancy backup
- Wire-break detection for DI
- LED indicators for I/O status

Introduction

ICOP's QEC-R00DxxS-N use of the latest Digital Input components reduces heat generation and extends service life. The EtherCAT Slave Digital Input and Digital Output modules can be matched with any of the 4 8 12 16 channels, totaling a maximum of 16ch, providing customized services to save the cost of unnecessary parts. Each channel is completely isolated, simplifying the design of isolated signals between the entire system.

Ordering Information

QEC-R00D0FS-N	16-ch Digital Output
QEC-R00D88S-N	8-ch Digital Output & 8-ch Digital input
QEC-R00DF0S-N	16-ch Digital input



Specifications

Model Name		QEC-R00DF0S	QEC-R00D88S	QEC-R00D0FS
I/O Type (Digital)		Input	Input & Output	Output
Channel		16-ch	8-ch Input/8-ch Output	16-ch
Input/Output Type		Sinking		
DI - Frequency		500Hz		-
DI - Wire-break detection		Option		-
DI - Voltage		24V - 56V		
DO - MOS Relay		-	MOS-FET Relay	
DO - Frequency		-	Frequency: 400Hz	
DO - Load Voltage		-	60V (AC peak/DC)	
DO - Load Current		-	1A (Optional to 2A)	
Isolation Protection		2000Vrms	DI: 2000Vrms DO: 1500Vrms	1500Vrms
Optocoupler		2000Vrms	DI: 2000Vrms DO: 1500Vrms	1500Vrms
Connector Color		Positive: Red Negative: Black	Positive: Red/Orange Negative: Black	Positive: Orange Negative: Black
Protocol		EtherCAT		
Connector		2 x RJ-45 6-pin Power Input /Output 16-ch Push-in Terminal		
Transmission Rate		100Mbps		
Power Requirement		+24VDC @ 220mA (Typ.)		
Power Consumption		1.2W		
LED Indicator		PWR, RUN, DI status		
Operating Temperature		-20°C to +70 °C		
Dimension		105 x 66 x 30mm (Without DIN-Rail)		
Installation		DIN rail		
Components' Certifications	DI	IEC 61131-2, DIN VDE V 0884-11, UL 1577, IEC 60950-1, IEC 62368-1, IEC 61010-1 and GB 4943.1-2011		
	DO	UL 94 V-0, UL Recognized, CSA Certified, EN/IEC 60950-1		