



Features:

- EtherCAT Conformance test tool verified
- Isolated 16-channel Digital Input and Isolated 16-channel Digital Output
- Supports both NPN and PNP configurations
- Digital Output Load Voltage Rating Up to 60VDC
- Support EtherCAT Distributed Clock (DC) Mode and SM Mode
- Internal Monitoring Hardware Information

Specifications

Digital I/O	Digital Input	Digital Output
Channels	16 (Isolated)	16 (Isolated)
Input Type	Sink (Supports both NPN and PNP configurations)	
Frequency	Safe Operating Frequency: ≤3000 Hz Rise Time (tr): 6 μs, Fall Time (tf): 6 μs	Operating Frequency: 1000Hz Turn-On Time: 0.25 ms, Turn-Off Time: 20 μs
Load Voltage	+24V (Options: 24V or 48V)	+60Vdc
Load Current	-	Typ. 500mA (peak 1000mA)
Isolation Protection	2500 Vrms	1500 Vrms
EtherCAT		
Cable Type	Ethernet/EtherCAT Cable (Min. CAT 5), Shielded	
Cycle Time	1 ms	
Distributed Clock (DC)	Yes	
General		
Connector	Euroblock (Digital Input: Red, Digital Output: Orange)	
Power Connector	4-pin Power Input/Output & 2-pin FGND	
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC)	
Power Consumption	3W	
Operating Temperature	-20 to +70°C	
Dimension	107.45 x 49 x 77.31 mm	
Weight	370 g	
Mounting	DIN-Rail	
Internal Monitoring	Temperature, Voltage, Current, Start-up time	

Ordering Information

QEC-R00CFFL-N	EtherCAT Compound SubDevice/16 Digital Input/16 Digital Output
QEC-R11CFFL-N	EtherCAT Compound SubDevice/PoE/16 Digital Input/16 Digital Output
QEC-R00CT0L-N	EtherCAT Compound SubDevice/32 Digital Input
QEC-R00C0TL-N	EtherCAT Compound SubDevice/32 Digital Output

* For detailed ordering information, please contact our sales staff or view the user manual.

Dimension

