Analogue Dual Input Module
CHQ-DIM2(SCI)

Features

▸ Single Loop Address

▸ Loop Powered

▸ 2 Independent Inputs for Monitoring of Volt Free Contacts

▸ Each Input can be Configured to Monitor either Normally Open or Normally Closed contacts

▸ DIN-Rail version available

▸ Both models feature an integral SCI

▸ Both models approved by LPCB

▸ SIL Level 2 approved variant available

Description

Model CHQ-DIM2(SCI) is a Dual Input Module designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switches and plant equipment. Also available as a DIN Rail mountable version; both models feature an integral short-circuit isolator.

A back box is also available (CHQ-BACKBOX) which, when used in conjunction with the CHQ-DIM2(SCI), increases the IP rating to IP65.

Specification

Order codes	CHQ-DIM2(SCI)	(module with SCI)	
	CHQ-DIM2(SCI)/SIL		
	CHQ-DIM2(HFP)-SCI		
	CHQ-DIM2(HFP)-SCI/SIL		
	CHQ-DIM2/DIN(SCI)	(DIN module with SCI)	
	CHQ-DIM2/DIN(HFP)-SCI		
Operating voltage	17 - 41 V dc		
Quiescent current	280 µA		
Current consumption	22 mA ± 20 % (polling), 4.3 mA (both inputs active)*[1]		
Current in short-circuit	8 mA		
Maximum short-circuit current	1 A		
Input line resistance	ON threshold <50 Ω, OFF threshold >100 KΩ		
Operating Temperature Range	-10 °C to + 50 °C		
Storage Temperature Range	-30 °C to + 60 °C		
Maximum Humidity	95%RH - Non Condensing (at 40 °C)		
Weights (g) & Dimensions (mm)	CHQ-DIM2(SCI)	327	L=157 x W=127 x D=35 (module inc lid) D=79 (module inc lid plus CHQ-BACKBOX) (add 235 to module weight when using CHQ-BACKBOX)
	CHQ-DIM2/DIN(SCI)	113	L=119 x W=108 x D=24
Colour and enclosure material	CHQ Module & CHQ-BACKBOX White ABS, DIN Module Green ABS, Module Lid Semi-Opaque Black ABS as standard (white version – CHQ-LID(WHT) also available)		

Fire alarm control panel compatibility required for these products.

*[1] Note: - Add 85 µA per input for normally closed contact monitoring

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