

CHQ-DIM2(SCI)

Analogue Dual Input Module

Features

- ▶ Loop powered, with single loop address
- ▶ 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



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

Operating Voltage	17 ~ 41 VDC		
Quiescent Current (typ)	280 μ A		
Current consumption	22 mA $\pm$ 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 K Ω		
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)		

Ordering Codes

Product

Analogue Dual Input Module with SCI

Analogue Dual Input DIN Module with SCI

Part Number

CHQ-DIM2(SCI)

CHQ-DIM2/DIN(SCI)