



CHQ-DIM2(SCI)/SIL

Analogue Dual Input Module

Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ 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
- ▶ Features an integral SCI
- ▶ Approved by LPCB



Description

Model CHQ-DIM2(SCI)/SIL is a Dual Input Module designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switches and plant equipment.

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

Specification			
Operating voltage	17 - 41 VDC		
Quiescent current	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 $^{\circ}$ C to + 50 $^{\circ}$ C		
Storage Temperature Range	-30 $^{\circ}$ C to + 60 $^{\circ}$ C		
Maximum Humidity	95% RH - Non Condensing (at 40 $^{\circ}$ C)		
Weights (g) & Dimensions (mm)	CHQ-DIM2(SCI)/SIL	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)
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 μ A per input for normally closed contact monitoring

Ordering Codes

Product

Analogue Dual Input Module

Part Number

CHQ-DIM2(SCI)/SIL



For further information visit www.hochikieurope.com/silapproved

Hochiki Europe (UK) Ltd. reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Hochiki Europe (UK) Ltd. to be a complete and up-to-date description.