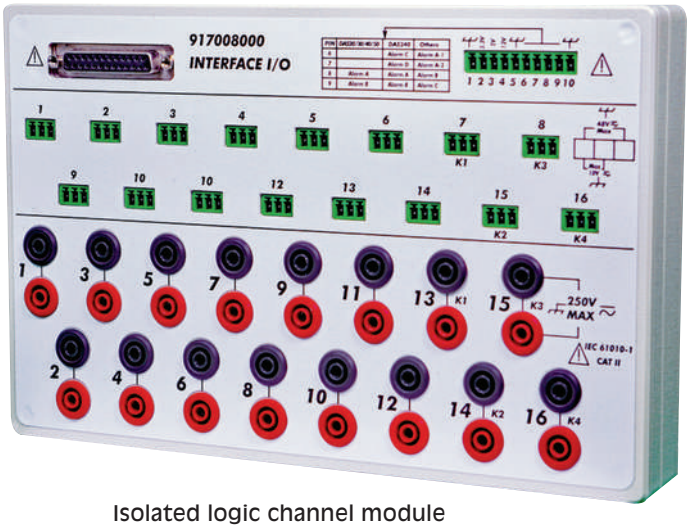


Sefram

Isolated logic channel module

Reference : 917008000



Isolated logic channel module
Reference : 917008000

Presentation

The Logic Channel Box is an accessory compatible with the DAS range of Data Acquisition Systems from SEFRAM:
DAS220-240 / DAS30-50-60 / DAS1700-8460.

It is a module that allows the 16 logic channels (inputs/outputs) present on the DAS range to be deported via the Sub-D 25 connector.

Thanks to optocouplers, it allows to increase the voltage input capacity of the logic channels (normally limited to 24V without the accessory), while bringing a comfort for the wiring on your equipments.

The applications are multiple, such as the monitoring of logical state changes in an electrical cabinet (electrical relays, contacts..).

Key features :

- 16 isolated logic channels (up to 250V)
- Power supply for external sensor (3,3V, 5V or 12V)
- 4 alarm outputs
- Input with safety banana plugs or quick connectors

Isolated logic channel modules

Sefram

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Technical specifications	
0 - 250V inputs (red and black banana connectors)	
Max. voltage	250V (AC or DC)
Frequency	DC or 45 to 440Hz
Switching threshold (AC or DC)	48V
Non-detectable low threshold (AC ou DC)	0 to 10V
High threshold detected (AC ou DC)	60 to 250V
Insulation between channel and ground	250V (AC or DC)
0 – 48V inputs (green quick connector)	
Max. voltage	48V (AC or DC)
Frequency	DC or 45 to 440Hz
Switching threshold (AC or DC)	9V
Non-detectable low threshold (AC or DC)	0 to 2V
High threshold detected (AC or DC)	10 to 48V
Insulation between channel and ground	50V (AC or DC)
0 – 48V inputs (green quick connector)	
Max. voltage	10V (AC or DC)
Frequency	DC or 45 to 440Hz
Switching threshold (AC or DC)	2,2V
Non-detectable low threshold (AC or DC)	0 to 1V
High threshold detected (AC or DC)	3 à 10V
Insulation between channel and ground	50V
Alarms outputs	
Alarm A	Contact for DAS1700/8460 and TTL 5V output for DAS30/50/60/220/240
Alarm B	TTL 5V output
Alarm C	TTL 5V output only on DAS220/240 ; DAS60 and DAS1700/8460
Alarm D	TTL 5V output only on DAS220/240 and DAS60
Power supply	
Available voltages	3,3V – 5V – 12V
Max. current	200mA
Common features	
Typical delay for a rising signal	10ms
Typical delay for a falling signal	50ms
General features	
Degrees of pollution	2
Safety	CAT II 250V
Power supply	The power supply is done by the data acquisition system
Operating temperature	0 to 40°C
Maximum relative humidity	80% non-condensing
Storage temperature	-20 to 60°C
Maximum altitude	2000m
Dimensions	160 x 150 x 37mm
Weight	620g

For assistance and ordering

Sefram

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afaq ISO 9001 Qualité AFNOR CERTIFICATION 1997/7001

FT 917008000 A 00 - Specifications can be updated without notice