Specifications	
Conformance	CE
Number of Outputs	8
Normal Voltage Range	10 to 32VDC
Maximum Voltage	48VDC
Output Type	Sourcing for MOP-8AO-0 Sinking for MOP-8AO-1-SK
Module Current	1 Amps @ 24VDC
Fuse Current	100mA
Termination	Spring Clamp
Field Conductor Size	Solid - 0.2 to 2.5mm Flexible - 0.2 to 1.5mm AWG - 24 to 14
Mounting	DIN Rail EN50 022,35,45
Operating Temperature	0 to 60 degrees C
Storage Temperature	40 to 85 degrees C
Relative Humidity	5 to 95% non condensing
16-Way Dimensions (L x W x H) (mm)	MOP-8AO-0 113 x 78 x 66 MOP-8AO-1-SK 113 x 78 x 53

This product is designed to meet Council Directive 73/23/EEC low voltage, by applying the safety requirements EN 61131-2.

This equipment is classified as open equipment and must be installed (mounted) in an enclosure during operation as a means of providing safety protection.

Ordering Information	
TCS Part Number	**Description**
003-2041-000	MOP-8AO-0 (channels labeled 0-15)
003-2041-002	MOP-8AO-1-SK (channels labeled 1-16)

* PLC to module wiring assembly available—please enquire

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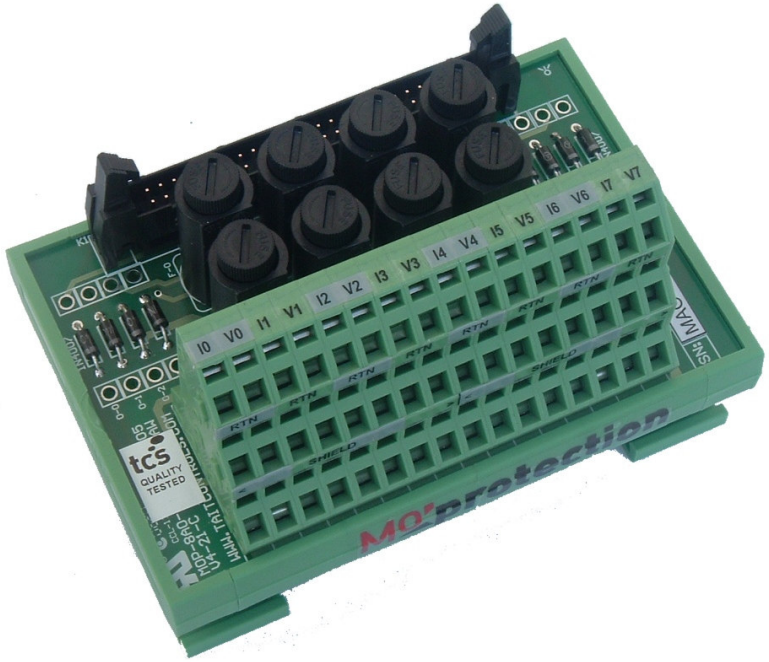
TCS [NZ] Ltd 34 The Boulevard Te Rapa
PO Box 20489 Hamilton New Zealand

P +64 7 849 7729
F + 64 7 849 2548

E sales@tcs-nz.co.nz
W www.tcs-nz.com

Installation Instructions



MOprotection™

PLC I/O Wiring System
Fused Analogue Output Modules
Document No. 722-4021-D00

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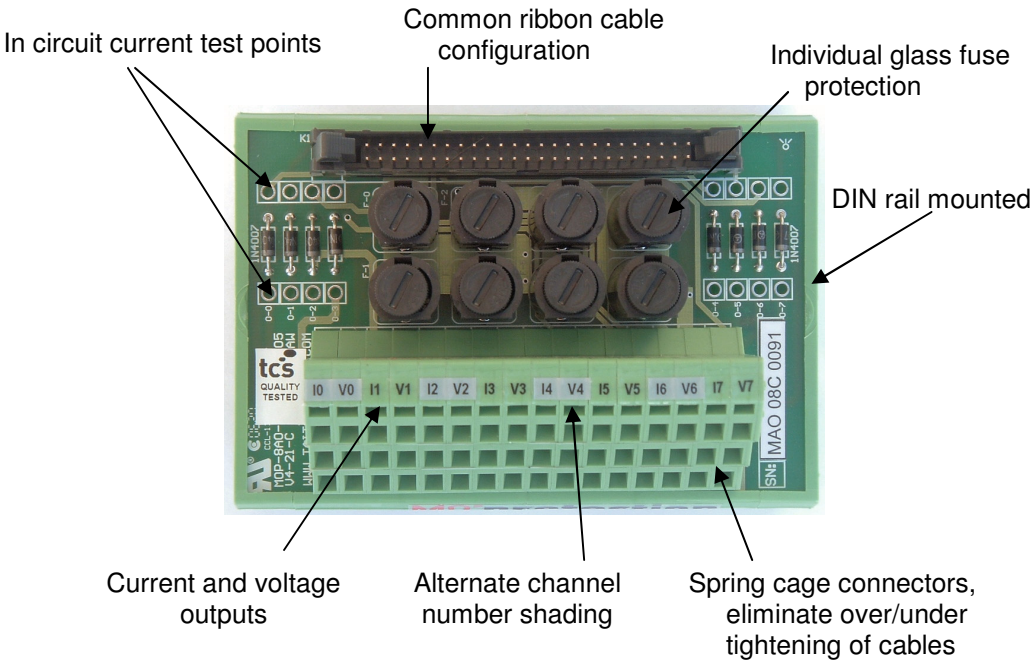
Major Features



Wiring and Setup Instructions

Terminal Descriptions	
MOP Terminal	**Description**
I0-I7[NOTE 1] I1-I8[NOTE 2]	Current Output Terminals
V0-V7[NOTE 1]	Voltage Output Terminals
RTN[NOTE 1]	Common Current Return Terminals
SHIELD	Cable Shield Terminals
+24[NOTE 2]	+24V DC Terminals, First one is +24V DC input, the rest are +24V Fused DC outputs
0V[NOTE 2]	0V

Note 1: MOP-8AO-0 only Note 2: MOP-8AO-1 only

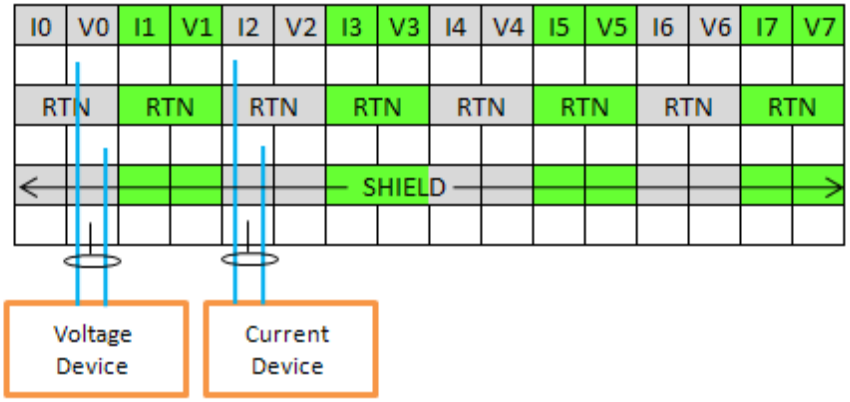
Wiring the Terminal Block
- The use of wire ferrules is recommended
- Insert a flat bladed screwdriver into the upper hole of the terminal
- Insert the wire into the open terminal and remove the screwdriver

Testing Current
The TCS MOP-8AO modules have the unique ability of in circuit, non disruptive analogue current measurement. The analogue current can be measured using a simple multi-meter.

To measure the current, simply turn your multi-meter to current measurement mode (remember to place your probes in the correct socket on the multi-meter). Then place your multi-meter probes across the corresponding output diode. Test points are provided on the PCB at each end of the diode.

The analogue current which normally flows through the diode will now flow through your multi-meter allowing easy measurement. When you remove the probes, the current will again flow through the diode.

MOP-8AO-0



MOP-8AO-1-SK