AIA-DO-4

16 channels - Wiring Adapter for Alspa CE2000™ migration toward a new system

Description :

The wiring adapter **AIA-DO-4** allows to migrate up to 16 Digital Outputs previously connected to an Alspa CE2000™ Digital Output module to a Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

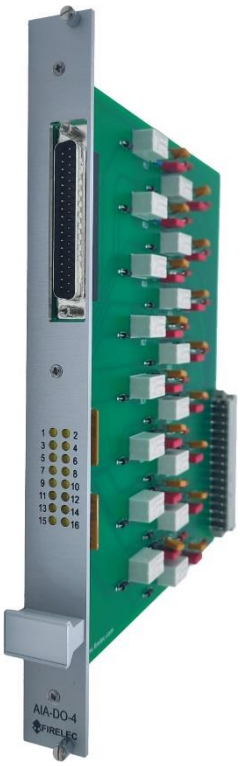
It is easy to install the **AIA-DO-4** in the existing I/O card file, at the place occupied by the Alspa CE2000 Digital Output module allowing to protect the existing wiring investment.

The connection to the new Digital Output card is done using a shielded cable, with a D-Sub 37 sockets female connector at one end, and labeled flying wires or a suitable connector matching with the new system or controller used at the other end.

The command status of each channel is displayed by a yellow LED.

It is particularly suitable for migrating an ASLPA CE2000™ I/O card with reference :

- LC106-2: Discrete output module with polarity-free contacts
  - Max. current / Rated voltage: 0.08A@125Vdc



Product options :

Option **VSH** : Conformal coating (Tropicalization)

Technical specifications :

Dimensions :
Length : 252 mm
Width : 26 mm
Height : 261 mm
Weight :
380 g
Temperature range :
Operating : 0°C à 50°C
Storage : -10°C à 50°C
Humidity :
Up to 90% (no condensation)
Mounting :
In the existing CE2000 I/O card file

Channel characteristics :
Each output controls a 24Vdc relay (1 contact)
(See relay specifications next page)
Short circuit and overcurrent : Limited by a resettable fuse
150mA@20°C *(Rese1 by passing the channel to zero)*
Overvoltage protection : 150Vdc by transil diode
Relay contact protection : Snubber RC
Residual current after short circuit detection : 10mA
Voltage drop at 0.08A : <4Vdc
Insulation voltage :
1500 Vac between input (control signal) and output (contacts)

Connection to the process signals :
1 x DIN male connector.
Connection to the DCS or to the PLC :
1 x D-Sub 37 pin male connector with UNC 4-40 female lock.

TYPE :	**ELECTROMECHANIC RELAYS**

REFERENCE :	**REL24STD-963992**

General specifications :	
Electric expected life at full load :	$50x10^3$. Cycles
Mechanical expected life :	$15x10^5$. Cycles
Operating time / Release time :	8ms / 8ms
Insulation between coil and contact :	4000Vac
Dielectric strength between open contacts :	1000Vac
Ambient temperature :	-20°C to 85°C
Environmental protection :	RT II
Size :	L: 20mm, l:10mm, , H:10,7 mm

Coil characteristics :	
Nominal voltage :	24Vdc
Operating voltage :	18 - 26 Vdc
Release voltage :	2.4Vdc
Nominal operating current :	8.3 mA
Coil resistance :	2725 Ω +/-10%
Nominal power :	211mW

Contacts characteristics :	
Contact configuration :	NO contact
Nominal voltage :	250Vac
Nominal current :	6A
Rated load 230V :	250 VA
Nominal switching capacity 30/48/220 Vdc :	5A / 1.5A / 0.35A
Standard contact material :	AgNi 90/10