

FIRELEC Migration Solution

RS3™ > DeltaV™

Analog Inputs/Outputs

RIA (RS3 Interface Adapters)

FMS-RS3FIM-DV-1

Rev	Date	Subject
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1. INTRODUCTION



The purpose of this document is to guide the user of a FIM series I/Os RS3™ system within the safe, efficient and easy way to migrate toward a DeltaV™ system.

FIRELEC has developed a migration solution "**FMS-RS3FIM-DV-1**" allowing to protect the existing wiring investment as the user converts from an existing RS3 system (FIM-series I/Os) to the DeltaV™ system.

The **FMS-RS3FIM-DV-1** solution is a set of migration adapters installed in place of existing FIM electronic modules onto Input / Output termination panels.

On the front of RIAs, SUBD connectors are used for connection of existing I/Os to the DeltaV I/O cards using dedicated shielded cables with SUBD connectors at one end and numbered wires or suitable connectors (matching with the type of I/O block of the DeltaV card) at the other end.

1.1. KEY ADVANTAGES OF THE FMS-RS3FIM-DV-1 SOLUTION

FMS-RS3FIM-DV-1 solution protects your wiring investment as you convert from the RS3™ FIM series system to the DeltaV™ system of Emerson Process Management with following advantages :

FMS-RS3FIM-DV-1 is a pre-engineered marshalling solution ready to work without any technical rework or limitation regarding existing capabilities of the RS3 system to be migrated.

The system migration can be done gradually, step by step with reduced risk for the process unit

As the instrument wiring is not disturbed, the instrument checkout during start-up is reduced to the minimum

The DeltaV™ system's configuration allows for the engineering conversion to be done efficiently. The speed at which **FMS-RS3FIM-DV-1** solution can be implemented ensures to reduce the process downtime to the minimum.

All existing documentations (electrical schemes, loop drawings, maintenance procedures,) remain unchanged as the existing I/O panels are kept in place.



1.2. DESCRIPTION OF THE "FMS-RS3FIM-DV-1" SOLUTION

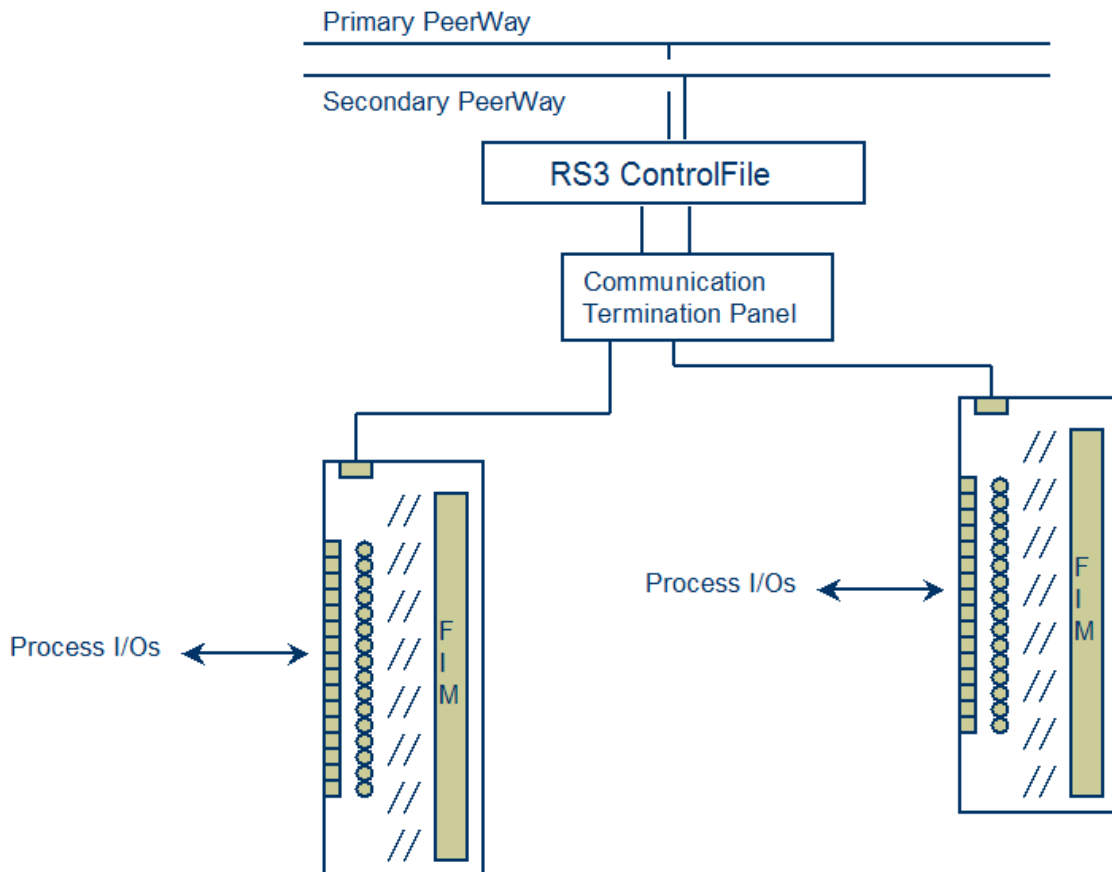
1.2.1. Principle of migration

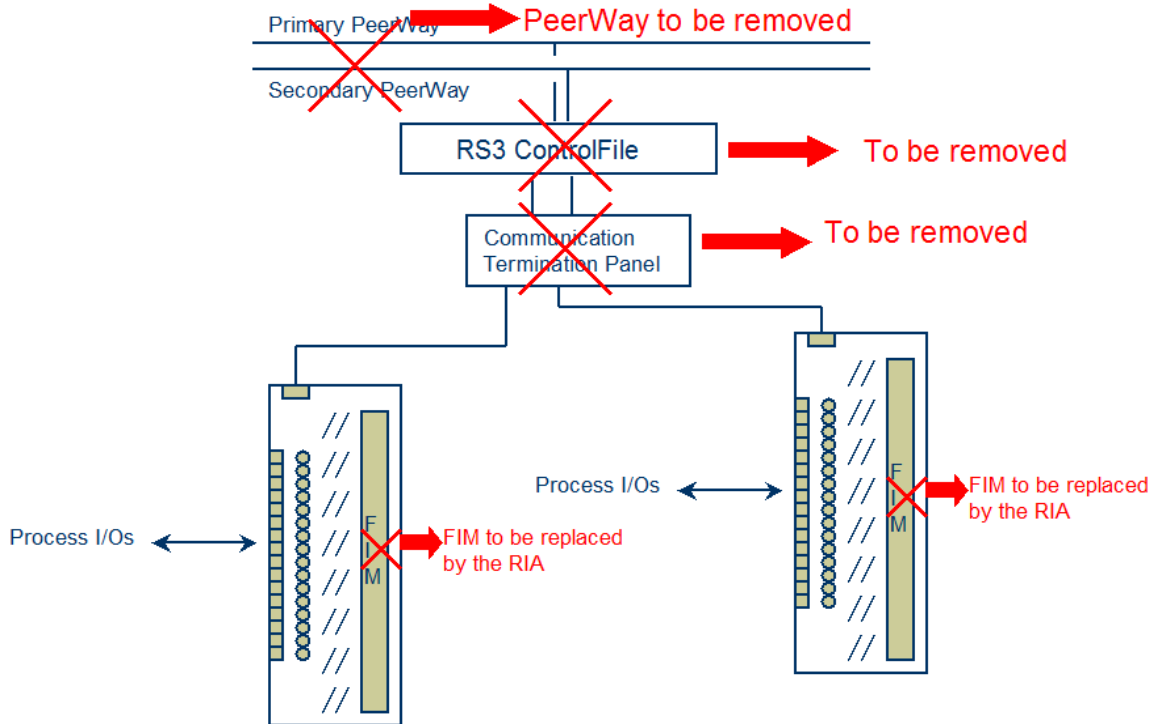
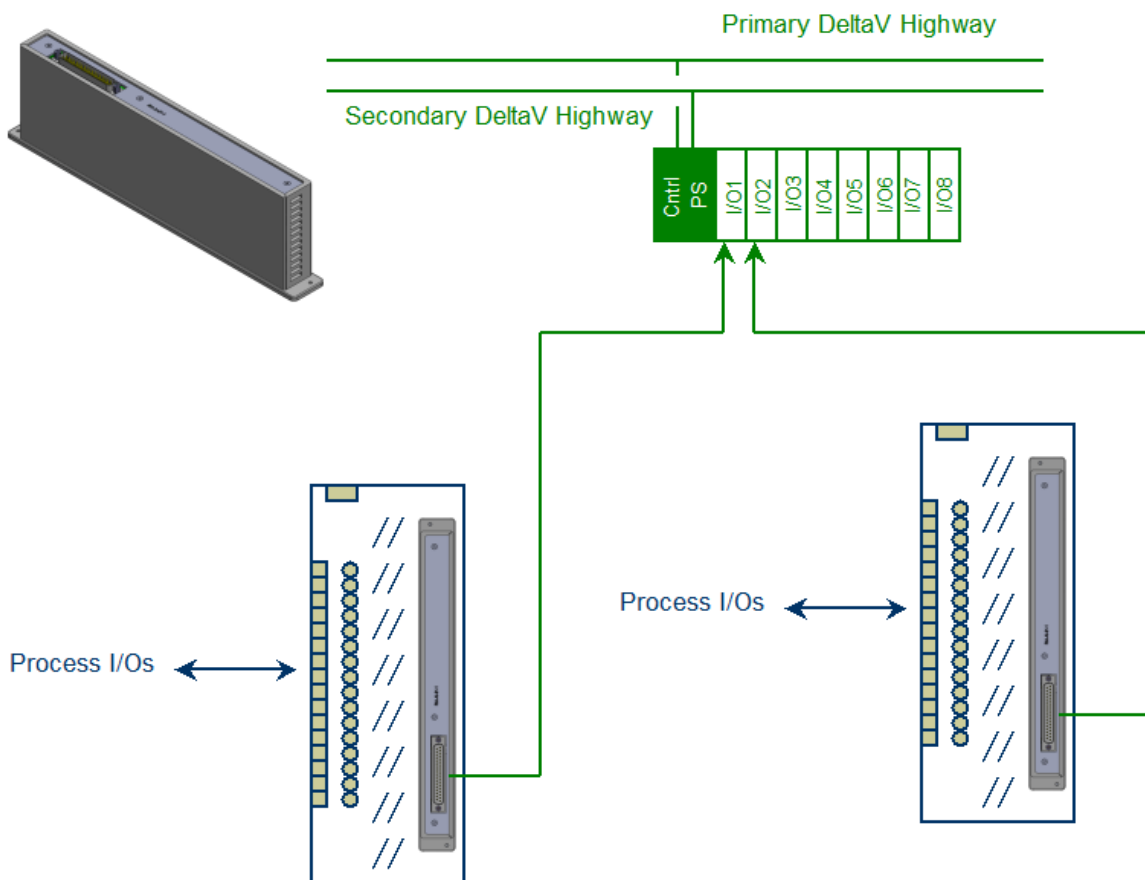
FIM electronic module to be removed

RIA to be plugged in place of existing FIM module



1.2.2. Existing RS3 architecture



1.2.3. Existing RS3 Hardware to be removed

1.2.4. New DeltaV architecture


2. ANALOG INPUTS



2.1. EXISTING RS3 PANEL TO BE KEPT : MAIO - MAIO16 (CE) - MAI32 (CE) TERMINATION PANEL

2.1.1. MAIO type : 01984-4383-0001 or 01984-4383-0002 and MAIO16 type : 10P54770001(CE) or 10P54770002(CE) - 16 channels

New DeltaV architecture - FMS-RS3FIM-DV-1-AI1-A1

Panel to be kept :

 01984-4383-0001
 01984-4383-0002
 10P54770001
 10P54770002

RIA-AI-01-1
CBL-RS3FIM-DV-1-AI1-A1
**VE4003S2B6 /
SE4003S2B6**

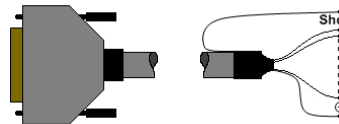
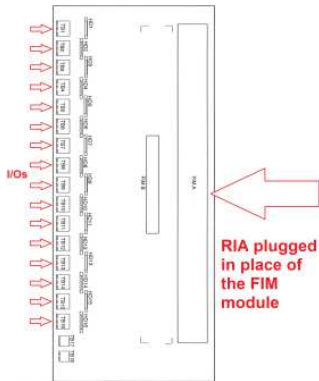
 Analog Input Panel
 16 channels
 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

 Adapter installed on existing
 MAIO panel in place of the FIM
 module

 (see appendix 1 for
 compatibility table)

Jumpers of the RIA have to be
set as follow :

- 1° "Syst" position for 2 wires transmitter
- 2° "Self" position for 4 wires transmitter

 Analog Input card,
 16 channels,
 4-20mA HART,
 Screw terminals.


New DeltaV architecture - FMS-RS3FIM-DV-1-AI1-B1

Panel to be kept :

 01984-4383-0001
 01984-4383-0002
 10P54770001
 10P54770002

RIA-AI-02-1
**2 x
CBL- RS3FIM-DV-1-AI1-B1**
**2 x VE4003S2B1 /
2 x SE4003S2B1**

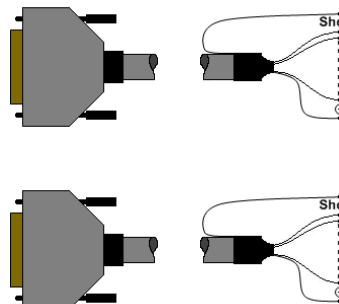
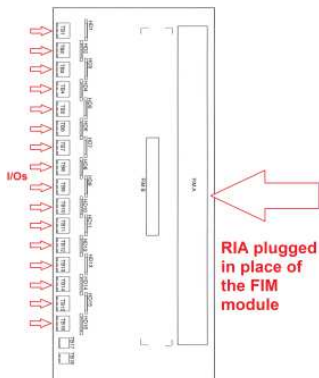
 Analog Input Panel
 16 channels
 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

 Adapter installed on existing
 MAIO panel in place of the FIM
 module

 (see appendix 1 for
 compatibility table)

Jumpers of the RIA have to be
set as follow :

- 1° "Syst" position for 2 wires transmitter
- 2° "Self" position for 4 wires transmitter

 Analog Input card,
 8 channels, 4-20 mA,
 2 wires, Hart,
 Terminal block


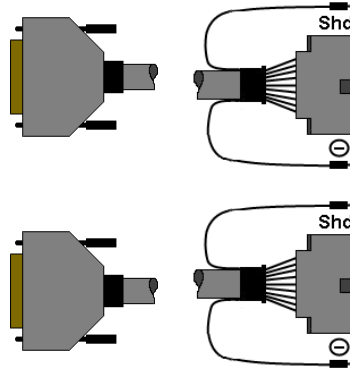
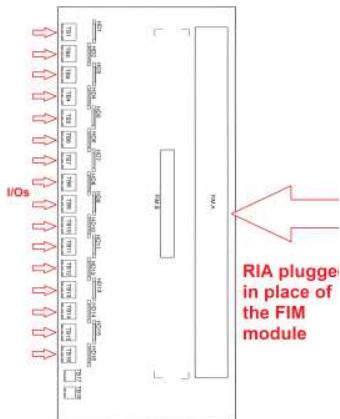
New DeltaV architecture - FMS-RS3FIM-DV-1-AI1-B2
Panel to be kept :

 01984-4383-0001
 01984-4383-0002
 10P54770001
 10P54770002

RIA-AI-02-1
**2 x
CBL- RS3FIM-DV-1-AI1-B2**
**2 x VE4003S2B4 /
2 x SE4003S2B4**

 Analog Input Panel
 16 channels
 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

 Adapter installed on existing
 MAIO panel in place of the
 FIM module
 (see appendix 1 for
 compatibility table)
Jumpers of the RIA have to be
set as follow :
 1° "Syst" position for 2 wires
 transmitter
 2° "Self" position for 4 wires
 transmitter

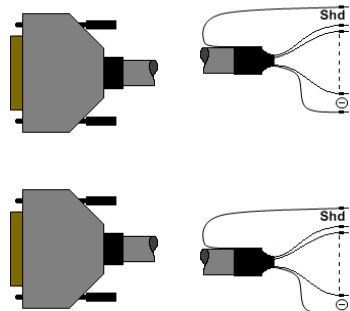
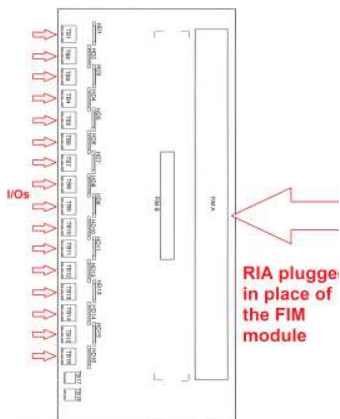
 Analog Input card,
 8 channels,
 4-20mA HART,
 16 pin Mass Termination.

New DeltaV architecture - FMS-RS3FIM-DV-1-AI1-B3
Panel to be kept :

 01984-4383-0001
 01984-4383-0002
 10P54770001
 10P54770002

RIA-AI-02-1
**2 x
CBL- RS3FIM-DV-1-AI1-B3**
**2 x VE4033S2B1
/ 2 x SE4033S2B1**

 Analog Input Panel
 16 channels
 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

 Adapter installed on existing
 MAIO panel in place of the
 FIM module
 (see appendix 1 for
 compatibility table)
Jumpers of the RIA have to be
set as follow :
 1° "Syst" position for 2 wires
 transmitter
 2° "Self" position for 4 wires
 transmitter

 Redundant Analog Input
 card, 8 channels,
 4-20mA HART, Screw
 terminals.


With galvanic isolating kept (4 wire analog inputs only).

New DeltaV architecture - FMS-RS3FIM-DV-1-AI1-B4

Panel to be kept :

01984-4383-0001
 01984-4383-0002
 10P54770001
 10P54770002

RIA-AI-02-2

2 x
 CBL- RS3FIM-DV-1-AI1-B4

VE4003S7B1
 / SE4003S7B1

Adapter installed on existing MAIO panel in place of the FIM module

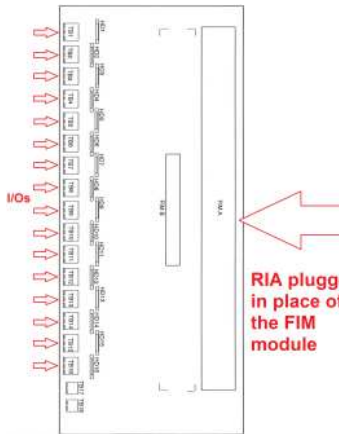
(see appendix 1 for compatibility table)

Analog Input Panel
 16 channels
 Jumpers have to be set as "Self-Powered Input (Isolated)"

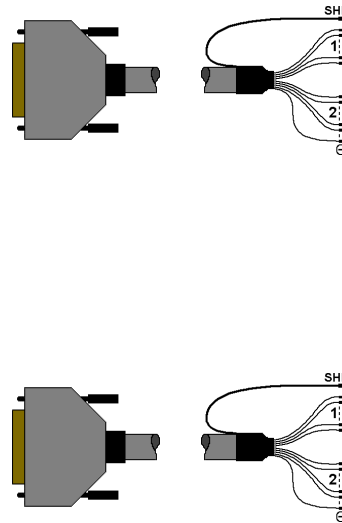
Jumpers of the RIA have to be set on "Syst" position for 4 wires transmitter

Option-2 of the RIA provides the availability of jumpers for the insertion of 250ohm resistors for compatibility with 1-5V DeltaV Isolated Input card

Isolated Input card, 4 channels (1-5V isolated), Isolated Input terminal Block



RIA plug in place of the FIM module



Architecture shown here above match when at least :
 one isolated input is located among the first group of eight channels
 one isolated input is located among the second group of eight channels
 Using of non-isolated card for half of the RIA can be applied in case of different isolated input distribution



2.1.2. MAI32 type : 10P53490001(CE) or 10P53490002(CE) - 32 channels
New DeltaV architecture - FMS-RS3FIM-DV-1-AI2-A1
Panel to be kept :

10P53490001

10P53490002

RIA-AI-03-1
**2 x
CBL- RS3FIM-DV-1-AI2-A1**
**VE4003S2B6
/ SE4003S2B6**

 Adapter installed on existing
 MAI panel in place of the FIM
 module

**(see appendix 1 for
compatibility table)**

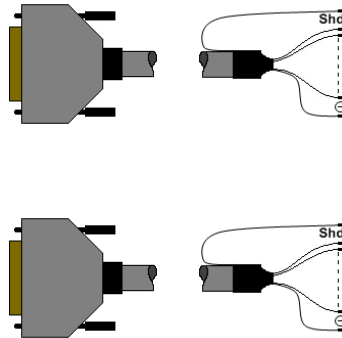
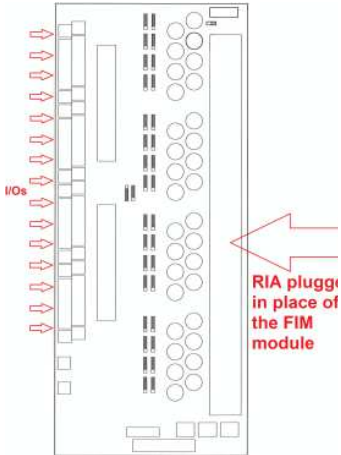
 Analog Input Panel
 32 channels

 Analog Input card,
 16 channels,
 4-20mA HART,
 Screw terminals.

 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

Jumpers of the RIA have to be
set as follow :

- 1° "Syst" position for 2 wires transmitter
- 2° "Self" position for 4 wire transmitter



New DeltaV architecture - FMS-RS3FIM-DV-1-AI2-A2
Panel to be kept :

10P53490001

10P53490002

RIA-AI-03-1
**2 x
CBL- RS3FIM-DV-1-AI2-A2**
**2 x VE4033S2B1
/ 2 x SE4033S2B1**

Adapter installed on existing MAI panel in place of the FIM module

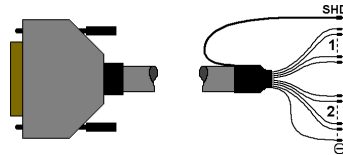
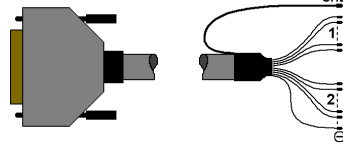
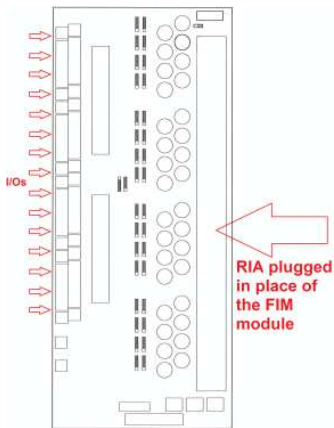
(see appendix 1 for compatibility table)

 Analog Input Panel
32 channels
Jumpers have to be set as "Self-Powered Input (Isolated)"

Jumpers of the RIA have to be set as follow :

- 1° "Syst" position for 2 wire transmitter
- 2° "Self" position for 4 wire transmitter

Redundant Analog Input card, 8 channels, 4-20mA HART, Screw terminals.



2.2. EXISTING RS3 PANEL TO BE KEPT : MAIO16-IS (CE) TERMINATION PANEL
2.2.1. MAIO IS type : 10P50340001(CE) - 16 channels with AI IS MTL barriers
New DeltaV architecture - FMS-RS3FIM-DV-1-AI3-A1

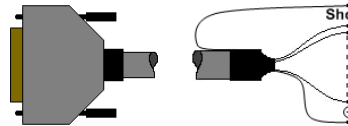
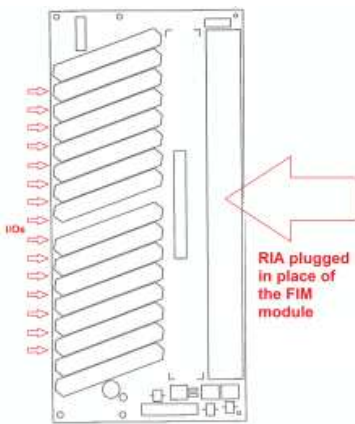
Panel to be kept :
 10P50340001
 With I.S. MTL barriers
 type : MTL4041 MTL 4073

RIA-AI-01-1
CBL- RS3FIM-DV-1-AI3-A1
**VE4003S2B6
 / SE4003S2B6**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module
 (see appendix 1 for
 compatibility table)

 Analog Input card,
 16 channels,
 4-20mA HART,
 Screw terminals.

 Jumpers of the RIA have to
 be set on "Self" position

New DeltaV architecture - FMS-RS3FIM-DV-1-AI3-B1

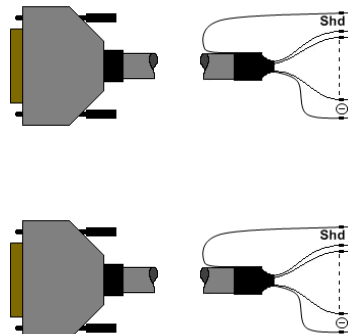
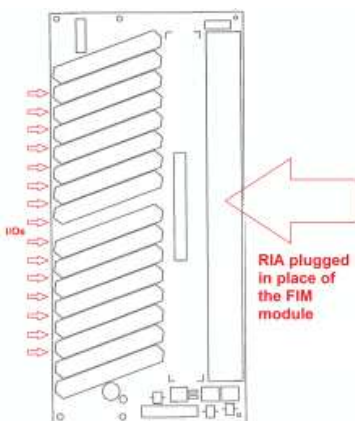
Panel to be kept :
 10P50340001
 With I.S. MTL barriers
 type : MTL4041 MTL 4073

RIA-AI-02-1
**2 x
 CBL- RS3FIM-DV-1-AI3-B1**
**2 x VE40032B1 /
 2 x SE4003S2B1**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module
 (see appendix 1 for
 compatibility table)

 Analog Input card,
 8 channels, 4-20 mA,
 2 wires, Hart,
 Terminal block

 Jumpers of the RIA have to
 be set on "Self" position


New DeltaV architecture - FMS-RS3FIM-DV-1-AI3-B2

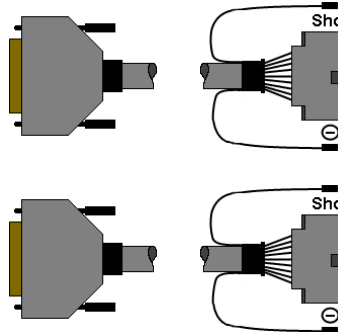
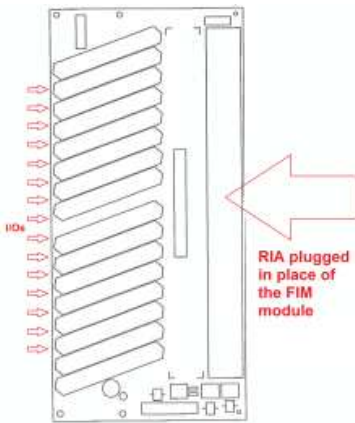
Panel to be kept :
 10P50340001
 With I.S. MTL barriers
 type : MTL4041 MTL 4073

RIA-AI-02-1
**2 x
 CBL- RS3FIM-DV-1-AI3-B2**
**2 x VE4003S2B4 /
 2 x SE4003S2B4**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module
 (see appendix 1 for
 compatibility table)

 Analog Input card,
 8 channels,
 4-20mA HART,
 16 pin Mass Termination.

 Jumpers of the RIA have to
 be set on "Self" position

New DeltaV architecture - FMS-RS3FIM-DV-1-AI3-B3

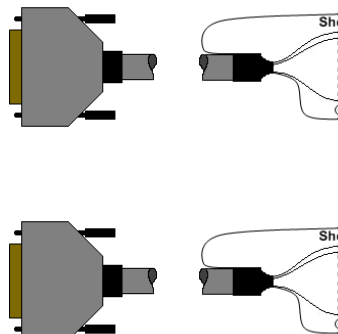
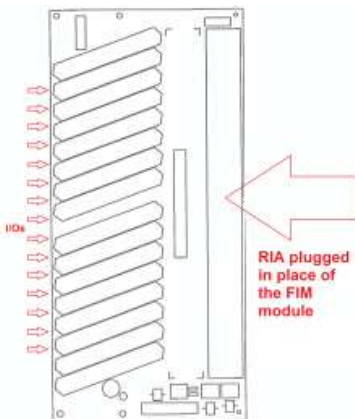
Panel to be kept :
 10P50340001
 With I.S. MTL barriers
 type : MTL4041 MTL 4073

RIA-AI-02-1
**2 x
 CBL- RS3FIM-DV-1-AI3-B3**
**2 x VE4033S2B1
 / 2 x SE4033S2B1**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module
 (see appendix 1 for
 compatibility table)

 Redundant Analog Input
 card, 8 channels,
 4-20mA HART, Screw
 terminals.

 Jumpers of the RIA have to
 be set on "Self" position


2.2.2.MAIO IS type : 10P50340001(CE) - 16 channels with AI FIRELEC galvanic isolating modules
New DeltaV architecture - FMS-RS3FIM-DV-1-AI4-A1
Panel to be kept :

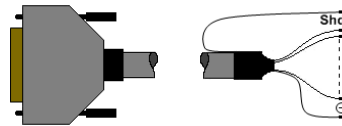
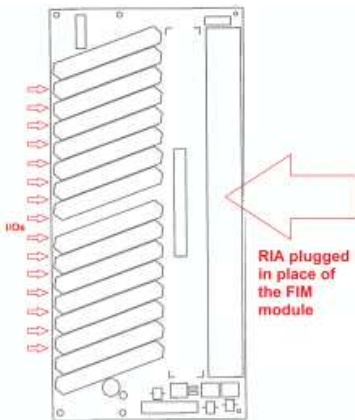
 10P50340001
 With FIRELEC modules
 type : FC0184

RIA-AI-01-1
CBL- RS3FIM-DV-1-AI4-A1
**VE4003S2B6
/ SE4003S2B6**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module
 (see appendix 1 for
 compatibility table)

 Analog Input card,
 16 channels,
 4-20mA HART,
 Screw terminals.

 Jumpers of the RIA have to
 be set on "Self" position

New DeltaV architecture - FMS-RS3FIM-DV-1-AI4-B1
Panel to be kept :

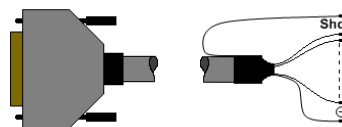
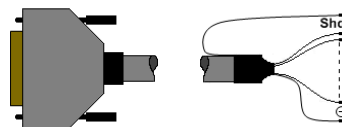
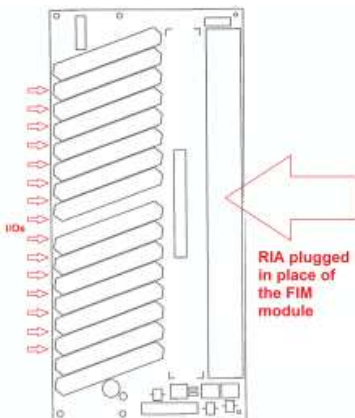
 10P50340001
 With FIRELEC modules
 type : FC0184

RIA-AI-02-1
**2 x
CBL- RS3FIM-DV-1-AI4-B1**
**2 x VE40032B1 /
2 x SE4003S2B1**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module
 (see appendix 1 for
 compatibility table)

 Analog Input card,
 8 channels, 4-20 mA,
 2 wires, Hart,
 Terminal block

 Jumpers of the RIA have to
 be set on "Self" position


New DeltaV architecture - FMS-RS3FIM-DV-1-AI4-B2

Panel to be kept :
 10P50340001
 With FIRELEC modules
 type : FC0184

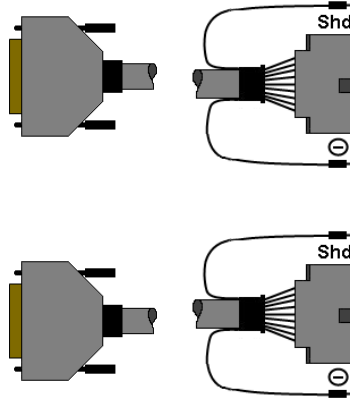
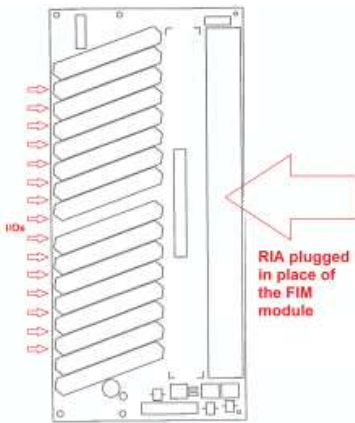
RIA-AI-02-1
**2 x
 CBL- RS3FIM-DV-1-AI4-B2**
**2 x VE4003S2B4 /
 2 x SE4003S2B4**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 (see appendix 1 for
 compatibility table)

 Analog Input card,
 8 channels,
 4-20mA HART,
 16 pin Mass Termination.

 Jumpers of the RIA have to
 be set on "Self" position

New DeltaV architecture - FMS-RS3FIM-DV-1-AI4-B3

Panel to be kept :
 10P50340001
 With FIRELEC modules
 type : FC0184

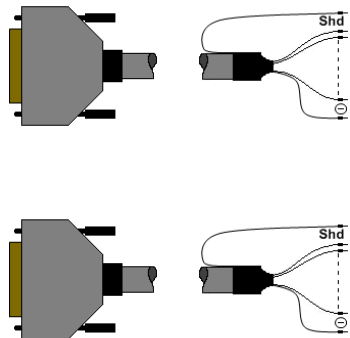
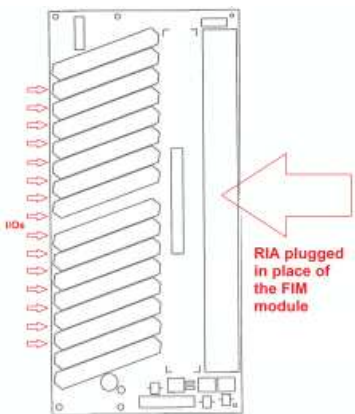
RIA-AI-02-1
**2 x
 CBL- RS3FIM-DV-1-AI4-B3**
**2 x VE4033S2B1
 /
 2 x SE4033S2B1**

 Analog Input Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 (see appendix 1 for
 compatibility table)

 Redundant Analog Input
 card, 8 channels,
 4-20mA HART, Screw
 terminals.

 Jumpers of the RIA have to
 be set on "Self" position


3. ANALOG OUTPUTS



3.1. EXISTING RS3 PANEL TO BE KEPT : MAIO AND MAIO16(CE) TERMINATION PANEL

3.1.1. MAIO type : 01984-4383-0001 or 01984-4383-0002 and 10P54770001(CE) or 10P54770002(CE) - 16 channels

New DeltaV architecture - FMS-RS3FIM-DV-1-AO1-A1

Panel to be kept :

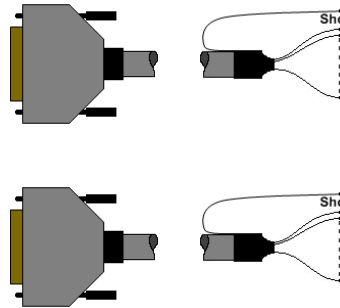
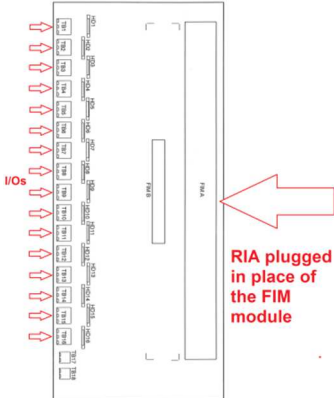
 01984-4383-0001
 or
 01984-4383-0002
 or
 10P54770001
 or
 10P54770002

RIA-AO-01-1
**2 x
CBL- RS3FIM-DV-1-AO1-A1**
**2 x VE4005S2B1
/ 2 x SE4005S2B1**

 Analog Output Panel
 16 channels
 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 (see appendix 1 for
 compatibility table)

 Analog Output card,
 8 channels, 4-20 mA, Hart,
 Terminal block


New DeltaV architecture - FMS-RS3FIM-DV-1-AO1-A2

Panel to be kept :

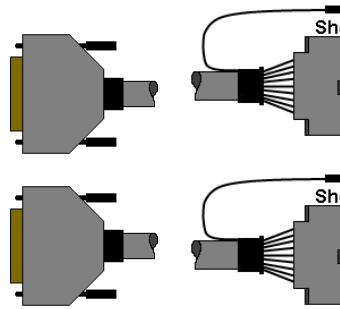
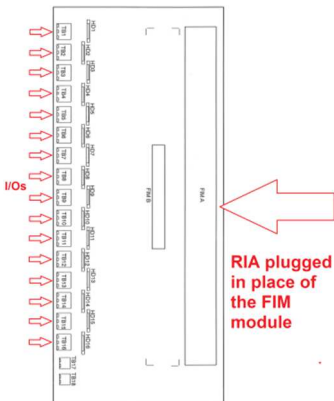
 01984-4383-0001 or
 01984-4383-0002 or
 10P54770001 or
 10P54770002

RIA-AO-01-1
**2 x
CBL- RS3FIM-DV-1-AO1-A2**
**2 x VE4005S2B3
/ 2 x SE4005S2B3**

 Analog Output Panel
 16 channels
 Jumpers have to be set as
 "Self-Powered Input
 (Isolated)"

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 (see appendix 1 for
 compatibility table)

 Analog Output card,
 8 channels, 4-20 mA, Hart,
 16 pin Mass Termination


New DeltaV architecture - FMS-RS3FIM-DV-1-AO1-A3

Panel to be kept :
01984-4383-0001 or
01984-4383-0002 or
10P54770001 or
10P54770002

RIA-AO-01-1

**2 x
CBL- RS3FIM-DV-1-AO1-A3**

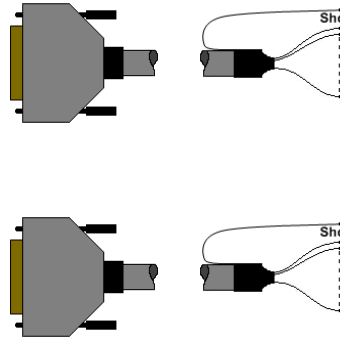
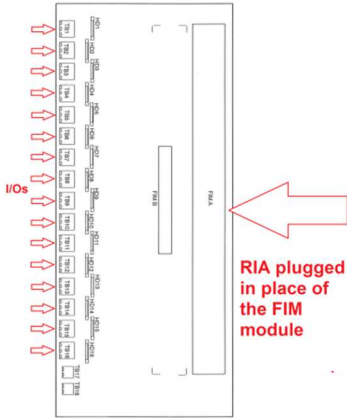
**2 x VE4035S2B1
/ 2 x SE4035S2B1**

Analog Output Panel
16 channels
Jumpers have to be set as
"Self-Powered Input
(Isolated)"

Adapter installed on
existing MAIO panel in
place of the FIM module

**(see appendix 1 for
compatibility table)**

Analog Output card,
8 channels, 4-20 mA, Hart,
Redundant, Terminal block



3.2. EXISTING RS3 PANEL TO BE KEPT : MAIO16-IS (CE) TERMINATION PANEL
3.2.1. MAIO IS type : 10P50340001(CE) - 16 channels with AO IS MTL barriers
New DeltaV architecture - FMS-RS3FIM-DV-1-AO2-A1

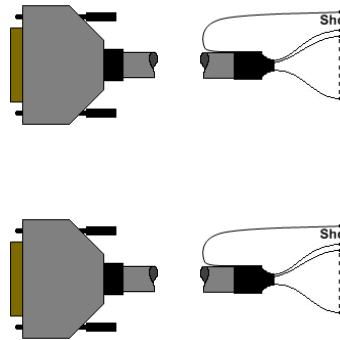
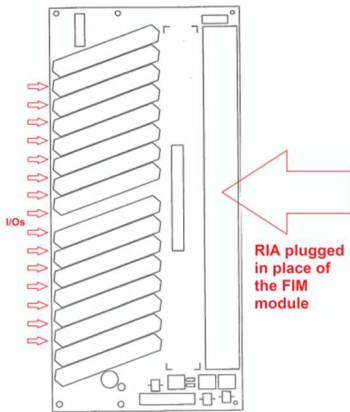
Panel to be kept :
 10P50340001
 With I.S. MTL barriers
 type : MTL4045B MTL 4046P
 01984-4383-0002

RIA-AO-01-1
**2 x
 CBL- RS3FIM-DV-1-AO2-A1**
**2 x VE4005S2B1
 / 2 x SE4005S2B1**

 Analog Output Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 Analog Output card,
 8 channels, 4-20 mA, Hart,
 Terminal block

 (see appendix 1 for
 compatibility table)

New DeltaV architecture - FMS-RS3FIM-DV-1-AO2-A2

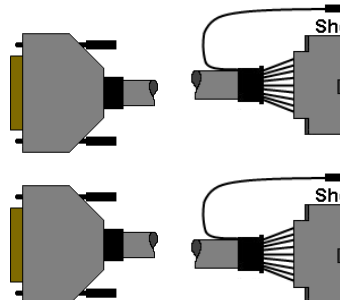
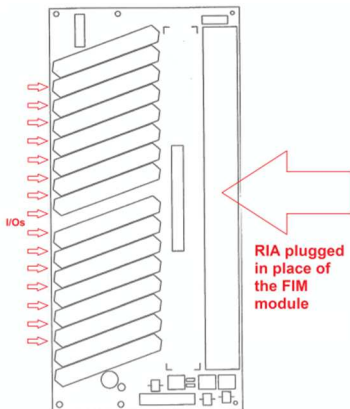
Panel to be kept :
 10P50340001
 With I.S. MTL barriers
 type : MTL4045B MTL 4046P
 01984-4383-0002

RIA-AO-01-1
**2 x
 CBL- RS3FIM-DV-1-AO2-A2**
**2 x VE4005S2B3
 / 2 x SE4005S2B3**

 Analog Output Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 Analog Output card,
 8 channels, 4-20 mA, Hart,
 16 pin Mass Termination

 (see appendix 1 for
 compatibility table)


New DeltaV architecture - FMS-RS3FIM-DV-1-AO2-A3

Panel to be kept :
10P50340001
With I.S. MTL barriers
type : MTL4045B MTL 4046P

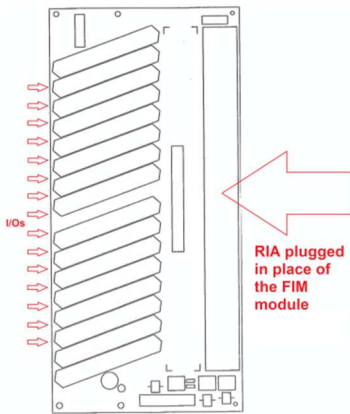
01984-4383-0002

RIA-AO-01-1

2 x
CBL- RS3FIM-DV-1-AO2-A3

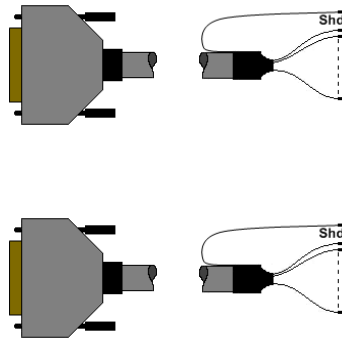
2 x VE4035S2B1
/ 2 x SE4035S2B1

Analog Output Panel
16 channels



Adapter installed on
existing MAIO panel in
place of the FIM module

(see appendix 1 for
compatibility table)



Analog Output card,
8 channels, 4-20 mA, Hart,
Redundant,
Terminal block



3.2.2.MAIO IS type : 10P50340001(CE) - 16 channels with FIRELEC AO galvanic isolating modules
New DeltaV architecture - FMS-RS3FIM-DV-1-AO3-A1
Panel to be kept :

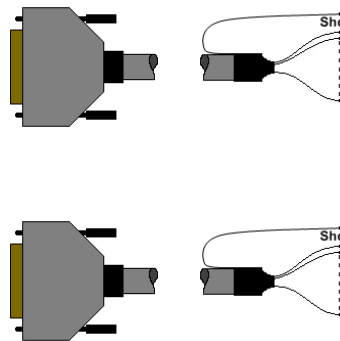
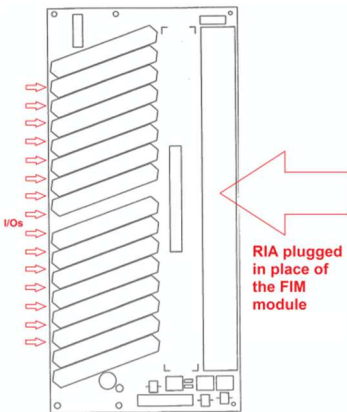
 10P50340001
 With FIRELEC modules
 type : FC0202-LFD
 01984-4383-0002

RIA-AO-01-1
**2 x
 CBL- RS3FIM-DV-1-AO3-A1**
**2 x VE4005S2B1
 /2 x SE4005S2B1**

 Analog Output Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 (see appendix 1 for
 compatibility table)

 Analog Output card,
 8 channels, 4-20 mA, Hart,
 Terminal block

New DeltaV architecture - FMS-RS3FIM-DV-1-AO3-A2
Panel to be kept :

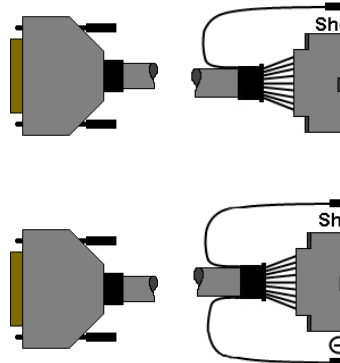
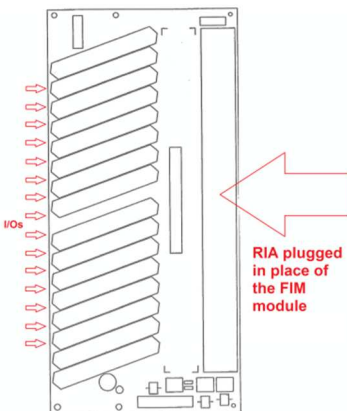
 10P50340001
 With FIRELEC modules
 type : FC0202-LFD
 01984-4383-0002

RIA-AO-01-1
**2 x
 CBL- RS3FIM-DV-1-AO3-A2**
**2 x VE4005S2B3
 /2 x SE4005S2B3**

 Analog Output Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module

 (see appendix 1 for
 compatibility table)

 Analog Output card,
 8 channels, 4-20 mA, Hart,
 16 pin Mass Termination


New DeltaV architecture - FMS-RS3FIM-DV-1-AO3-A3

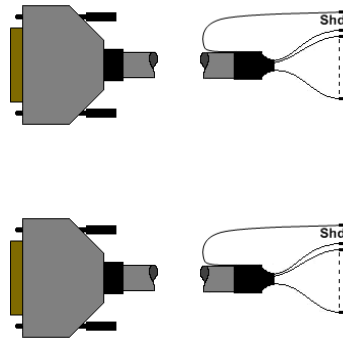
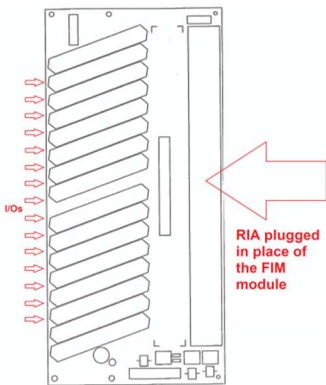
Panel to be kept :
 10P50340001
 With FIRELEC modules
 type : FC0202-LFD
 01984-4383-0002

RIA-AO-01-1
**2 x
 CBL- RS3FIM-DV-1-AO3-A3**
**2 x VE4035S2B1
 /2 x SE4035S2B1**

 Analog Output Panel
 16 channels

 Adapter installed on
 existing MAIO panel in
 place of the FIM module


 (see appendix 1 for
 compatibility table)

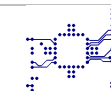
 Analog Output card,
 8 channels, 4-20 mA, Hart,
 Redundant,
 Terminal block



4. APPENDIX 1

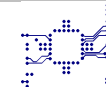




4.1. ANALOG INPUT / OUTPUT TABLE

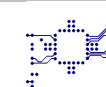
Line	RS3 Panel reference	CE	RS3 Panel description	RS3 FIM reference	CE	RS3 FIM description	RIA Migration adapter reference	RIA Mechanical signature	RIA Structure
AIAO 1	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	1984-4414-0001	-	MIAO 16 FIM - 4-20mA Input 16 point - Redundancy not supported	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 2	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	1984-4414-1001	-	MIAO 16 FIM - 4-20mA Input 16 point - Redundancy supported	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 3	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P54040004	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 4	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16CH	10P57700005	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 5	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	1984-4414-0001	-	MIAO 16 FIM - 4-20mA Input 16 point - Redundancy not supported	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 6	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	1984-4414-1001	-	MIAO 16 FIM - 4-20mA Input 16 point - Redundancy supported	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 7	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P54040004	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	




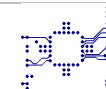
Line	RS3 Panel reference	CE	RS3 Panel description	RS3 FIM reference	CE	RS3 FIM description	RIA Migration adapter reference	RIA Mechanical signature	RIA Structure
AIAO 8	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P57700005	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 9	10P54770001	CE	MAIO16 - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P54040004	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 10	10P54770001	CE	MAIO16 - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P57700005	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 11	10P54770002	CE	MAIO16 - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P54040004	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 12	10P54770002	CE	MAIO16 - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P57700005	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1 (-2) -2 : for 1-5V outputs	A	
AIAO 13	10P53490001	CE	MAI32 - 4-20mA - Input Termination Panel - 32 CH	10P53190004	CE	MAI32 FIM 32 Inputs - 4-20mA	RIA-AI-03-1	A	
AIAO 14	10P53490002	CE	MAI32 - 4-20mA - Input Termination Panel with marshalling connector available - 32 CH	10P53190004	CE	MAI32 FIM 32 Inputs - 4-20mA	RIA-AI-03-1	A	
AIAO 15	10P53490001	CE	MAI32 - 4-20mA - Input Termination Panel - 32 CH	10P58300005	CE	MAI32 FIM 32 Inputs - 4-20mA	RIA-AI-03-1	A	




Line	RS3 Panel reference	CE	RS3 Panel description	RS3 FIM reference	CE	RS3 FIM description	RIA Migration adapter reference	RIA Mechanical signature	RIA Structure
AIAO 16	10P53490002	CE	MAI32 - 4-20mA - Input Termination Panel with marshalling connector available - 32 CH	10P58300005	CE	MAI32 FIM 32 Inputs - 4-20mA	RIA-AI-03-1	A	
AIAO 17	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	1984-4418-0001	-	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 18	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P54080004	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 19	1984-4383-0001	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P58080005	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 20	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	1984-4418-0001	-	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 21	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P54080004	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	



Line	RS3 Panel reference	CE	RS3 Panel description	RS3 FIM reference	CE	RS3 FIM description	RIA Migration adapter reference	RIA Mechanical signature	RIA Structure
AIAO 22	1984-4383-0002	-	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P58080005	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 23	10P54770001	CE	MAIO16 - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P54080004	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 24	10P54770001	CE	MAIO16 - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P58080005	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 25	10P54770002	CE	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P54080004	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	
AIAO 26	10P54770002	CE	MAIO - 4-20mA - Multipoint Analog I/O Termination Panel with marshalling connector available - 16 CH	10P58080005	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	



4.2. IS ANALOG INPUT / OUTPUT TABLE

Line	RS3 Panel reference	CE	RS3 Panel description	RS3 FIM Reference	CE	RS3 FIM Description	RIA Migration adapter reference	RIA Mechanical signature	RIA Structure
AI-IS 1	10P5034000X	CE	MAIO16 - IS - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P54040004	CE	MIAO 16 FIM - 4-20mA Input 16 point	RIA-AI-01-1 or RIA-AI-02-1	A	
AO-IS 1	10P5034000X	CE	MAIO16 - IS - 4-20mA - Multipoint Analog I/O Termination Panel - 16 CH	10P54080004	CE	MIAO 16 FIM - 4-20mA Output 16 point	RIA-AO-01-1	A	