- **Modular system clips together**
- **64 inputs and 64 outputs per node**
- **Distributed configuration option**
- **Interchangeable protocols**
- **Standard Fieldbus Control**
- **Advanced diagnostic features**

## Technical Data

Operating Temperature:
+0°C to 50°C
Vibration Tests:
To IEC 68-2-6
Degree of protection:
IP65
EMC Standards:
Generic emission standard EN50081-2
Generic immunity standard EN50082-2
Materials:
Main enclosure mouldings
– glass fibre reinforced polyester (PBT)
Clips – Acetal Copolymer (POM)

## Ordering Information

To order, complete the System Specification Form on page **6.4.040.15** and fax to your local IMI Norgren office for your free consultation service.

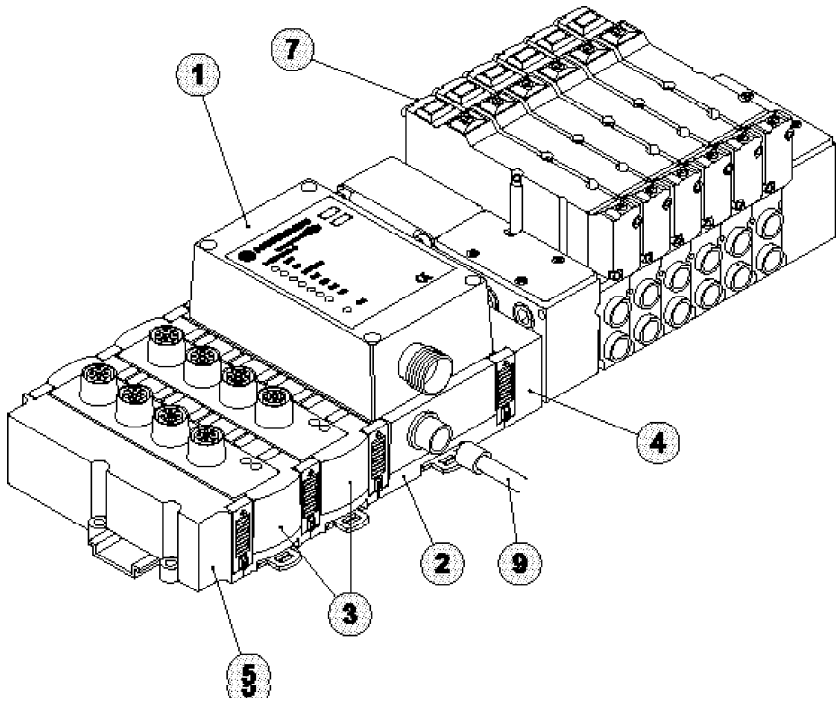
PROFI BUS PROCESS FIELD BUS THE PROFIBUS GROUP

CANopen

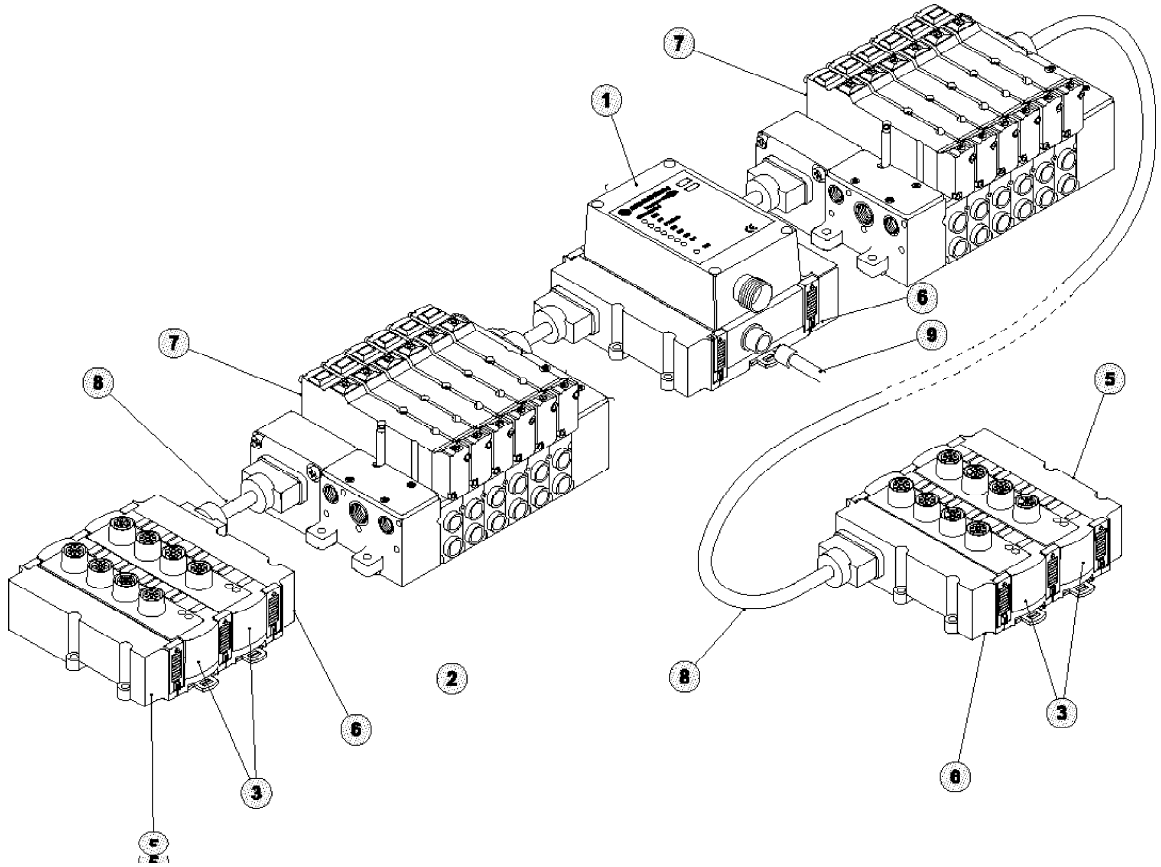
INTERBUS

DeviceNet

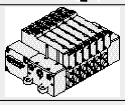
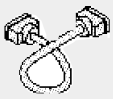
## Centralised Configuration




## Distributed Configuration



## Key to Illustration

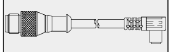
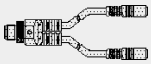
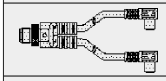
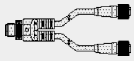
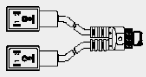
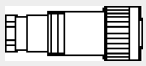
| Symbol | Description | Part Number | | Short Code |
|---|---|---|---|---|
| 1  | **Fieldbus Node** | | | |
| | Profibus-DP | VE2DPFNB-64640 | See data sheet 6.4.040.07 | F1 |
| | Profibus-DP D-type Connector | VE2DPFND-64640 | See data sheet 6.4.040.07 | F1D |
| | Profibus-DP M12 Connector | VE2DPFNR-64640 | See data sheet 6.4.040.07 | F1R |
| | Profibus-DP 2 x M12 Connectors | VE2DPFNT-64640 | See data sheet 6.4.040.07 | F1T |
| | Interbus-S | VE2IBFNC-64640 | See data sheet 6.4.040.08 | F2 |
| | Interbus-S D-type Connector | VE2IBFND-64640 | See data sheet 6.4.040.08 | F2D |
| | Devicenet M12 Micro Connector | VE2DNFNB-64640 | See data sheet 6.4.040.09 | F3 |
| | CANOpen M12 Micro Connector | VE2CAFNB-64640 | See data sheet 6.4.040.09 | F4 |
| 2  | **Common Node Sub-base** | | | |
| | Sub-base Plastic Connector | VE2FBSBA-00000 | See data sheet 6.4.040.10 | F5 |
| | Sub-base Metal Connector | VE2FBSBA-00000M | | F5M |
| 3  | **Input/Output Modules** | | | |
| | 4 outputs | VE2FBOMA-00040 | See data sheet 6.4.040.11 | F6 |
| | 8 outputs | VE2FBOMA-00080 | | F7 |
| | 4 NPN inputs | VE2FBIMF-04000 | | F8 |
| | 8 NPN inputs | VE2FBIMF-08000 | | F9 |
| | 4 PNP inputs | VE2FBIMG-04000 | | F10 |
| | 8 PNP inputs | VE2FBIMG-08000 | | F11 |
| 4  | **Valve Island Interface Plates (for Fieldbus Node or Input/Output modules)** | | | |
| | Left Hand Side | VE2FBVPL-00000 | See data sheet 6.4.040.12 | F12 |
| | Right Hand Side (shown) | VE2FBVPR-00000 | | F13 |
| | Additional V20 kit | V10075-K32 | | F14 |
| 5  | **End Cover (for Fieldbus Node or Input/Output Modules)** | | | |
| | Left Hand Side (shown) | VE2FBECL-00000 | See data sheet 6.4.040.13 | F15 |
| | Right Hand Side | VE2FBECR-00000 | | F16 |
| 6  | **IP65 9-pin Cable Interface Plate (for Fieldbus Node or Input/Output Modules)** | | | |
| | Left Hand Side (shown) | VE2FBCPL-00000 | See data sheet 6.4.040.14 | F17 |
| | Right Hand Side | VE2FBCPR-00000 | | F18 |
| 7  | **Valve Island** | | | |
| | V20 | | See data sheet 5.4.113 | F19 |
| | V22 | | See data sheet 5.4.157 | F20 |
| 8  | **Cable with 9-pin D-type Connectors** | | | |
| | 1 metre length | VE2FBC9P-9S010 | See data sheet 6.4.040.16 | F21 |
| | 3 metre length | VE2FBC9P-9S030 | | F22 |
| | 5 metre length | VE2FBC9P-9S050 | | F23 |
| | Wireable 9-pin D-type Connector (male) | VE2FBC9P-00000 | | F24 |
| | Wireable 9-pin D-type Connector (female) | VE2FBC9S-00000 | | F25 |
| 9  | **Power Cable and Connector** | | | |
| | 1 metre length | VE2FBCPS-M1810 | See data sheet 6.4.040.16 | F26 |
| | 3 metre length | VE2FBCPS-M1830 | | F27 |
| | 5 metre length | VE2FBCPS-M1850 | | F28 |
| | Wireable Power Connector (plastic) | VE2FBCPS-M1800 | | F29 |
| | Wireable Power Connector (metal) | V11156-E02 | | F29M |

## Input and Output Modules

### Technical Specification

| Description | | 4 Inputs NPN | 4 Inputs PNP | 8 Inputs NPN | 8 Inputs PNP | 4 Outputs | 8 Outputs |
|---|---|---|---|---|---|---|---|
| **Part Number** | | VE2FBIMF-04000 | VE2FBIMG-04000 | VE2FBIMF-08000 | VE2FBIMG-08000 | VE2FBOMA-00040 | VE2FBOMA-00080 |
| **Connections** | | 4 pin M12 female<br>1 input/connection | 4 pin M12 female<br>1 input/connection | 4 pin M12 female<br>2 inputs/connection | 4 pin M12 female<br>2 inputs/connection | 4 pin M12 female<br>1 output/connection | 4 pin M12 female<br>2 outputs/connection |
| **Inputs** | Supply voltage | 24V ± 10% | 24V ± 10% | 24V ± 10% | 24V ± 10% | | |
| | Input On | 10V-24V/3mA | 10V-24V/3mA | 10V-24V/3mA | 10V-24V/3mA | | |
| | Input Off | <1,5mA | <1,5mA | <1,5mA | <1,5mA | | |
| | Max current load for all inputs | 750mA | 750mA | 750mA | 750mA | | |
| | Short circuit protected | Yes | Yes | Yes | Yes | | |
| | Opto isolated circuits | Yes | Yes | Yes | Yes | | |
| **Outputs** | Output voltage | | | | | 24V ± 10% | 24V ± 10% |
| | Max current each output | | | | | 500mA | 500mA |
| | Max current all outputs | | | | | 750mA | 750mA |
| | Short circuit protected | | | | | Yes | Yes |
| | Opto isolated outputs | | | | | Yes | Yes |

## Accessories

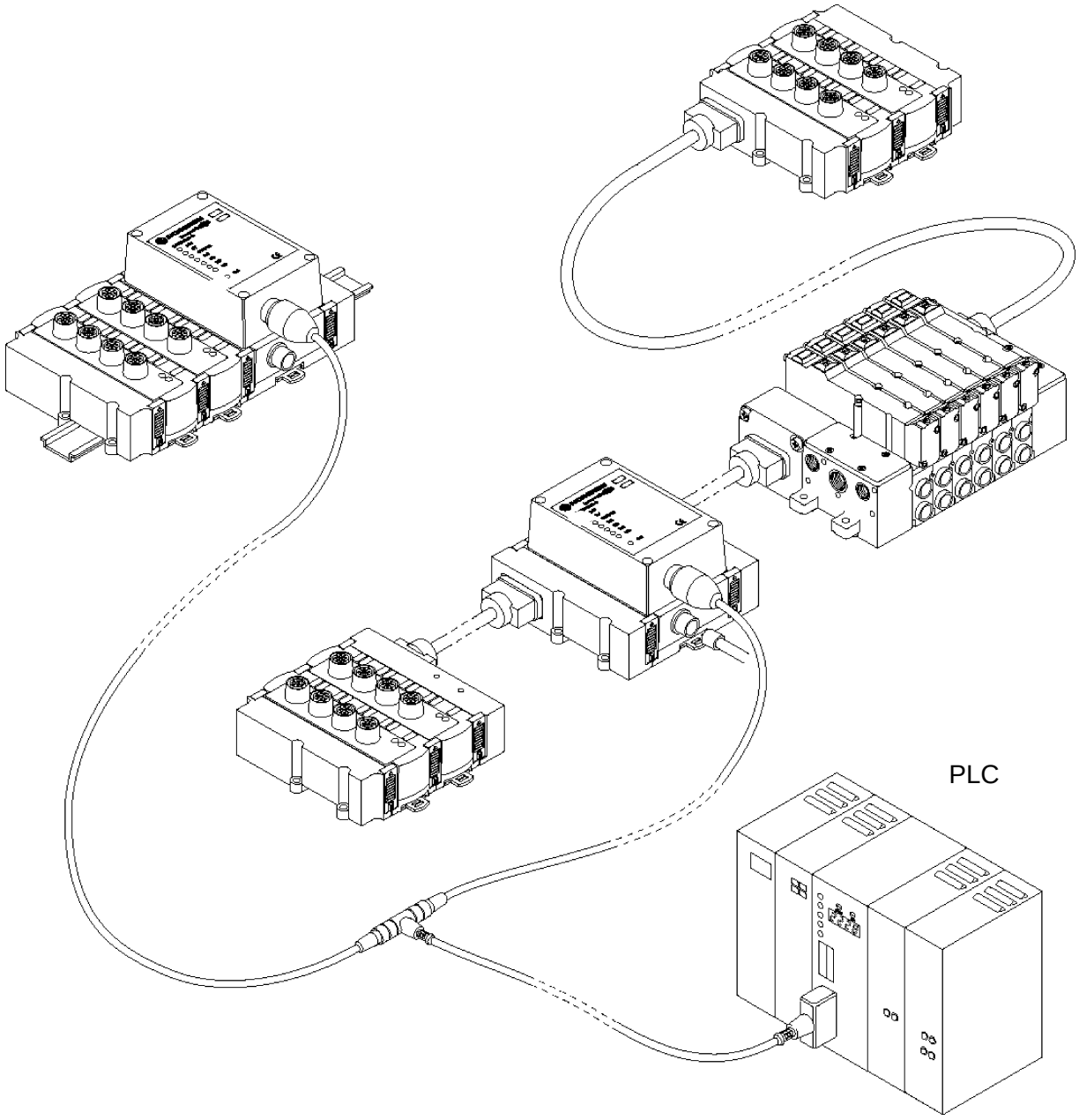
| Symbol | Description | Connection Size | Straight/Elbow | Cable Length (Mtrs) | Part Number | Page | |
|---|---|---|---|---|---|---|---|
|  | **Input M12 connecting plug and cable assemblies for sensors** | | | | | | |
| | 3 pin plug to 3 pin socket | M12/Ø8 | Straight/Straight | 1 | VE1FBC8S-M1210 | 6.4.040.17 | F30 |
| | 3 pin plug to 3 pin socket | M12/Ø8 | Straight/Straight | 3 | VE1FBC8S-M1230 | 6.4.040.17 | F31 |
| | 3 pin plug to 3 pin socket | M12/Ø8 | Straight/Straight | 5 | VE1FBC8S-M1250 | 6.4.040.17 | F32 |
|  | 3 pin plug to 3 pin socket | M12/Ø8 | Straight/Elbow | 1 | VE1FBC8E-M1210 | 6.4.040.17 | F33 |
| | 3 pin plug to 3 pin socket | M12/Ø8 | Straight/Elbow | 3 | VE1FBC8E-M1230 | 6.4.040.17 | F34 |
| | 3 pin plug to 3 pin socket | M12/Ø8 | Straight/Elbow | 5 | VE1FBC8E-M1250 | 6.4.040.17 | F35 |
|  | 4 pin plug to 4 pin socket | M12/M12 | Straight/Straight | 1 | VE1FBC0S-M1210 | 6.4.040.17 | F36 |
| | 4 pin plug to 4 pin socket | M12/M12 | Straight/Straight | 3 | VE1FBC0S-M1230 | 6.4.040.17 | F37 |
| | 4 pin plug to 4 pin socket | M12/M12 | Straight/Straight | 5 | VE1FBC0S-M1250 | 6.4.040.17 | F38 |
|  | 4 pin plug to 2x3 pin socket | M12/Ø8 | Straight/Straight | 1 | VE1FBC8S-M121D | 6.4.040.17 | F39 |
| | 4 pin plug to 2x3 pin socket | M12/Ø8 | Straight/Straight | 3 | VE1FBC8S-M123D | 6.4.040.17 | F40 |
| | 4 pin plug to 2x3 pin socket | M12/Ø8 | Straight/Straight | 5 | VE1FBC8S-M125D | 6.4.040.17 | F41 |
|  | 4 pin plug to 2x3 pin socket | M12/Ø8 | Straight/Elbow | 1 | VE1FBC8E-M121D | 6.4.040.17 | F42 |
| | 4 pin plug to 2x3 pin socket | M12/Ø8 | Straight/Elbow | 3 | VE1FBC8E-M123D | 6.4.040.17 | F43 |
| | 4 pin plug to 2x3 pin socket | M12/Ø8 | Straight/Elbow | 5 | VE1FBC8E-M125D | 6.4.040.17 | F44 |
|  | 4 pin plug to 2x3 pin socket | M12/M12 | Straight/Straight | 1 | VE1FBC0S-M121D | 6.4.040.17 | F45 |
| | 4 pin plug to 2x3 pin socket | M12/M12 | Straight/Straight | 3 | VE1FBC0S-M123D | 6.4.040.17 | F46 |
| | 4 pin plug to 2x3 pin socket | M12/M12 | Straight/Straight | 5 | VE1FBC0S-M125D | 6.4.040.17 | F47 |
|  | **Input or Output M12 plug** | | | | | | |
| | Wireable 5 pin male – screw termination | M12 | Straight | - | VE1FBCRS-M125P | 6.4.040.18 | F48 |
|  | **Output M12 plug and connecting cables for solenoid coils*** | | | | | | |
| | 3 pin plug to valve connection – Type C (15mm coil) | M12 | Straight | 0,3 | VE1FBCSC-M1203 | 6.4.040.18 | F49 |
| | 3 pin plug to valve connection – Type C (15mm coil) | M12 | Straight | 1,0 | VE1FBCSC-M1210 | 6.4.040.18 | F50 |
| | 3 pin plug to valve connection – Industrial (22mm coil) | M12 | Straight | 0,3 | VE1FBCSB-M1203 | 6.4.040.18 | F51 |
| | 3 pin plug to valve connection – Industrial (22mm coil) | M12 | Straight | 1,0 | VE1FBCSB-M1210 | 6.4.040.18 | F52 |
| | 3 pin plug to valve connection – Type A (32mm coil) | M12 | Straight | 0,3 | VE1FBCSA-M1203 | 6.4.040.18 | F53 |
| | 3 pin plug to valve connection – Type A (32mm coil) | M12 | Straight | 1,0 | VE1FBCSA-M1210 | 6.4.040.18 | F54 |
|  | 4 pin plug to 2 valve connections – Type C (15mm coil) | M12 | Straight | 0,3 | VE1FBCTC-M1203 | 6.4.040.18 | F55 |
| | 4 pin plug to 2 valve connections – Type C (15mm coil) | M12 | Straight | 1,0 | VE1FBCTC-M1210 | 6.4.040.18 | F56 |
| | 4 pin plug to 2 valve connections – Industrial (22mm coil) | M12 | Straight | 0,3 | VE1FBCTB-M1203 | 6.4.040.18 | F57 |
| | 4 pin plug to 2 valve connections – Industrial (22mm coil) | M12 | Straight | 1,0 | VE1FBCTB-M1210 | 6.4.040.18 | F58 |
| | 4 pin plug to 2 valve connections – Type A (32mm coil) | M12 | Straight | 0,3 | VE1FBCTA-M1203 | 6.4.040.18 | F59 |
| | 4 pin plug to 2 valve connections – Type A (32mm coil) | M12 | Straight | 1,0 | VE1FBCTA-M1210 | 6.4.040.18 | F60 |
|  | **Wireable communication cable connectors** | | | | | | |
| | Profibus-DP 12 pin Coninver male | ø22mm | Straight | N/A | VE1DPCRS-CN12P | | F61 |
| | Interbus-S 9 pin Coninver female | ø22mm | Straight | N/A | VE1IBCRS-CN09S | | F62 |
| | Interbus-S 9 pin Coninver male | ø22mm | Straight | N/A | VE1IBCRS-CN09P | | F63 |
| | Micro Connector (DeviceNet, Canopen) | M12 | Straight | N/A | VE2DNCRS-CN05S | | F64 |
| | Micro Connector (Profibus DP) Female | M12 | Straight | N/A | VE2DPCRS-CN05S | | F65 |
| | Micro Connector (Profibus DP) Male | M12 | Straight | N/A | VE2DPCRS-CN05P | | F66 |
| | Micro 'T' Connector (Profibus DP) | M12 | Tee | N/A | VE2DPCMT-M1200 | | F67 |
| | IP65 'D' Connector (Profibus or Interbus) Male | 9 Pin | Straight | N/A | VE2FBC9P-00000 | 6.4.040.16 | F24 |
| | IP65 'D' Connector (Profibus or Interbus) Female | 9 Pin | Straight | N/A | VE2FBC9S-00000 | 6.4.040.16 | F25 |

* Each coil plug has LED and suppression as standard.

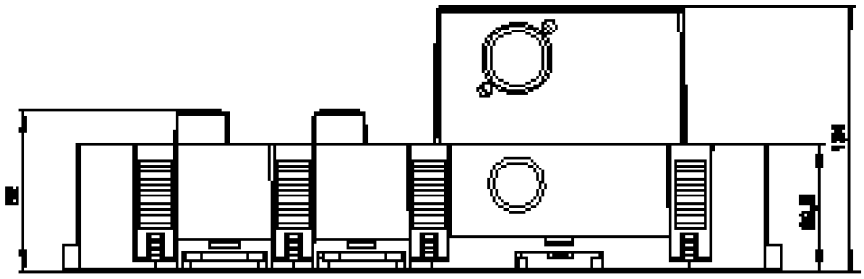
## Network Data

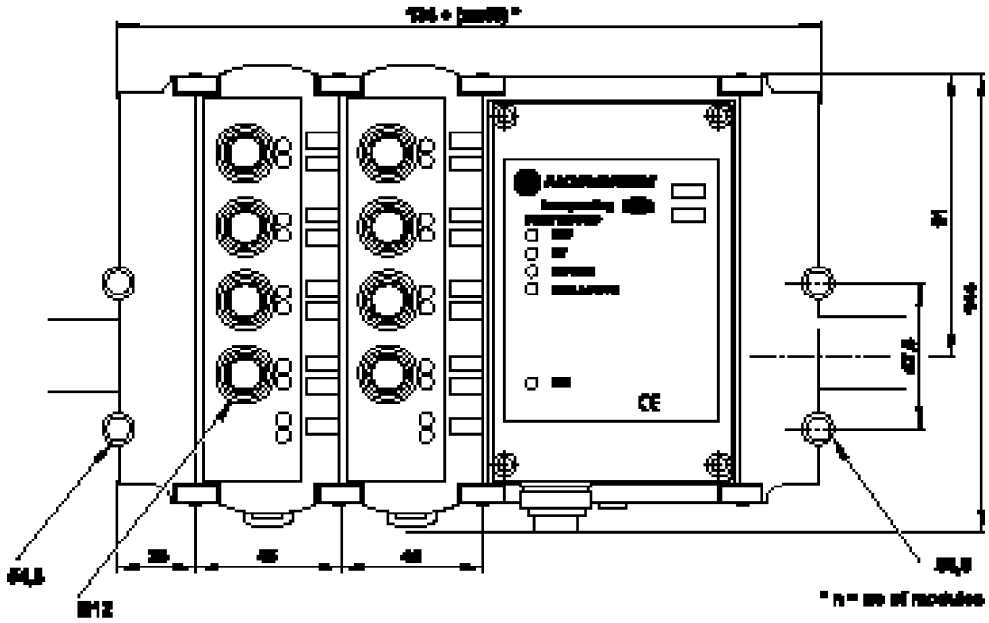
| Protocol | Connector Type(s) | Node Part Number | Communication | Max Baud Rate | Node Details |
|---|---|---|---|---|---|
| Standard Products | | | | | |
| Profibus-DP | 1xConinver (IP65) | VE2DPFNB-64640 | RS485 | 12Mb/s | 6.4.040.00 |
| Interbus-S | 2xConinver (IP65) | VE2IBFNC-64640 | RS422 | 500Kb/s | 6.4.040.00 |
| Devicenet | 1x Micro-Change (IP65) | VE2DNFNB-64640 | CAN | 500Kb/s | 6.4.040.00 |
| CANopen | 1xMicro-Change (IP65) | VE2CAFNB-64640 | CAN | 1Mb/s | 6.4.040.00 |
| **Alternative Connection Options** | | | | | |
| Profibus-DP | 1xD-Type (IP65) | VE2DPFND-64640 | RS485 | 12Mb/s | 6.4.040.00 |
| Profibus-DP M12 Connector | 1 or 2 x M12Type (IP65) | VE2DPFNR-64640 | RS485 | 12Mb/s | 6.4.040.00 |
| Interbus-S | 2xD-Type (IP65) | VE2IBFNE-64640 | RS422 | 500Kb/s | 6.4.040.00 |

## Typical Distributed System



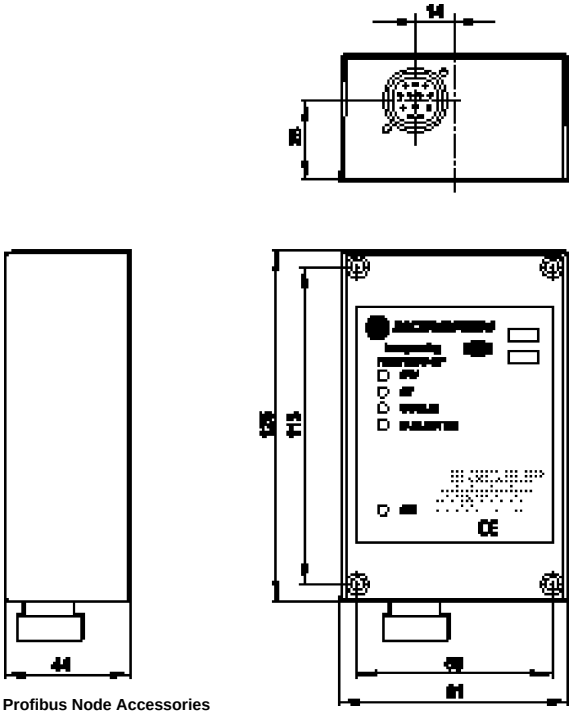
## Assembly Dimensions





## Profibus-DP Fieldbus Node

Single Coninver Connector (standard)
VE2DPFNB-64640



**Profibus Node Accessories**

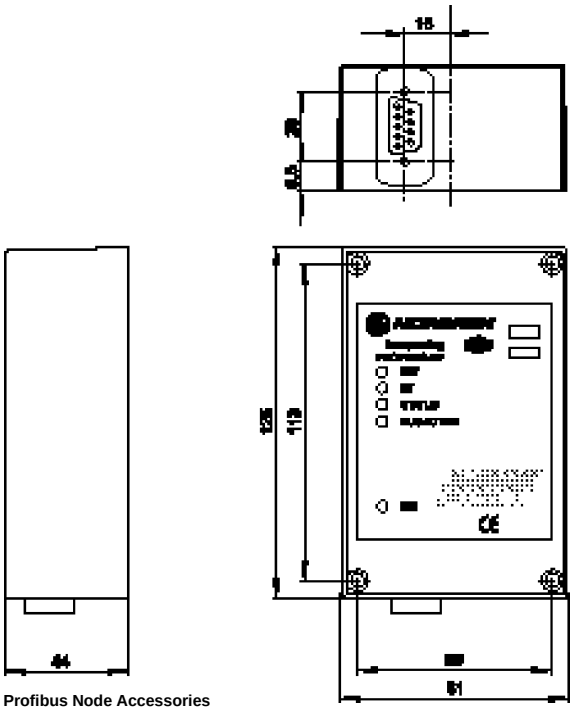
Wireable 12 pin coninver type connector (IP65)

**Part Number**

VE1DPCRS-CN12P Male

## Profibus-DP Fieldbus Node

Single D-Type Connector
VE2DPFND-64640



**Profibus Node Accessories**

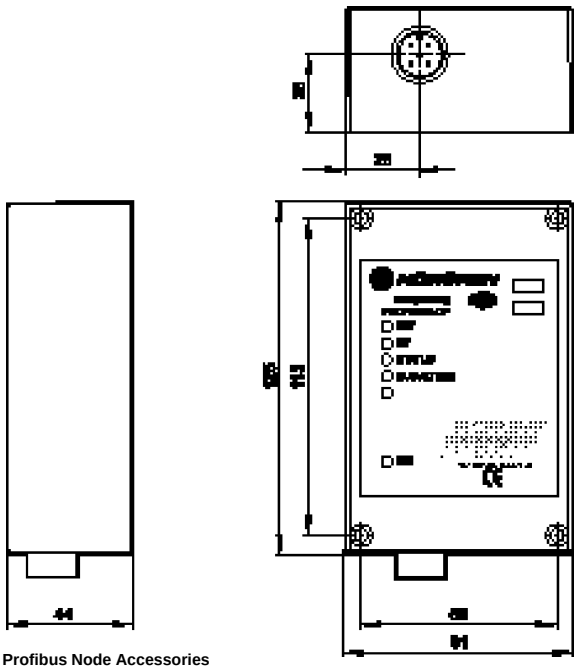
Wireable 9 pin connector (IP65)

**Part Number**

VE2FBC9P-00000

## Profibus-DP Fieldbus Node

Single M12 Connector
VE2DPFNR-64640



**Profibus Node Accessories**

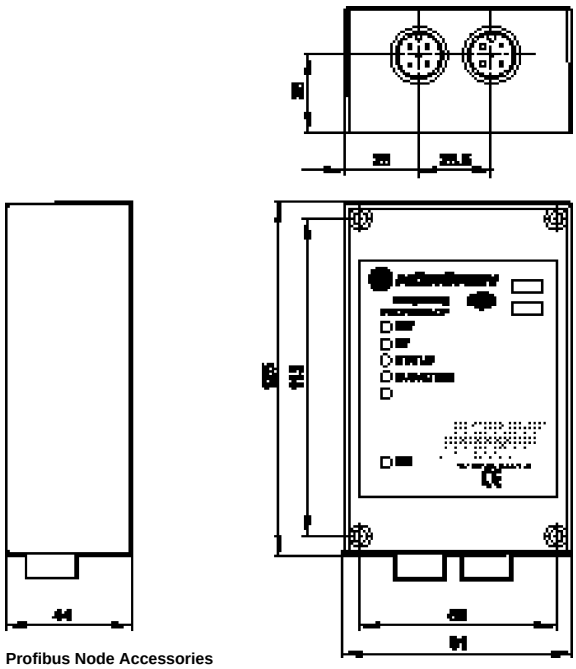
Wireable 12 pin connector (IP65)

**Part Number**

VE2DPCMT-M1200

## Profibus-DP Fieldbus Node

Double M12 Connector
VE2DPFNT-64640



**Profibus Node Accessories**

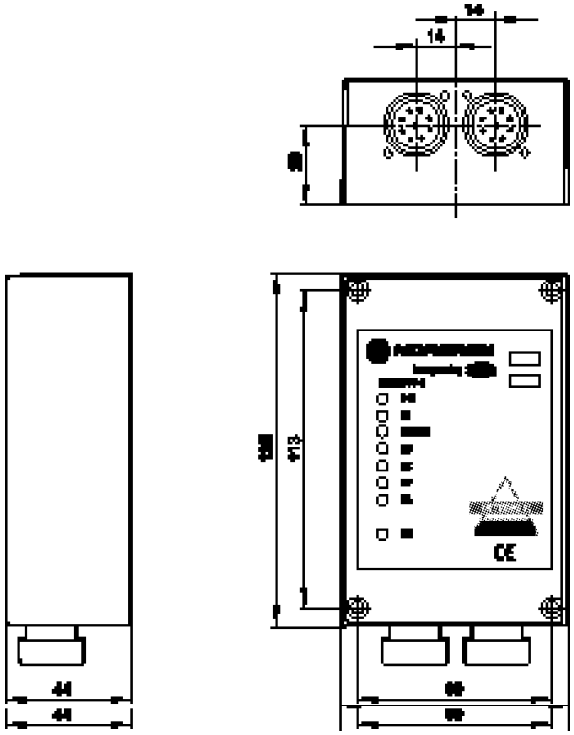
Wireable M12 connectors (IP65)

**Part Numbers**

VE2DPCRS-CN05P (Male) VE2DPCRS-CN05S (Female)

## Interbus-S Fieldbus Node

Double Coninver Type Connectors (standard)
VE2IBFNC-64640



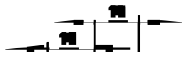
### Interbus-S Node Accessories

Wireable Interbus-S 9-pin connector (IP65)

| Part Number | |
|---|---|
| VE1IBCRS-CN09P | Male |
| VE1IBCRS-CN09S | Female |

## Interbus-S Fieldbus Node

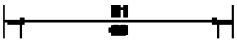
Double D-Type Connectors
VE2IBFNE-64640



### Interbus-S Node Accessories

Wireable D-Type IP65 connector

| Part Number | |
|---|---|
| VE2FBC9P-00000 | Male |
| VE2FBC9S-00000 | Female |

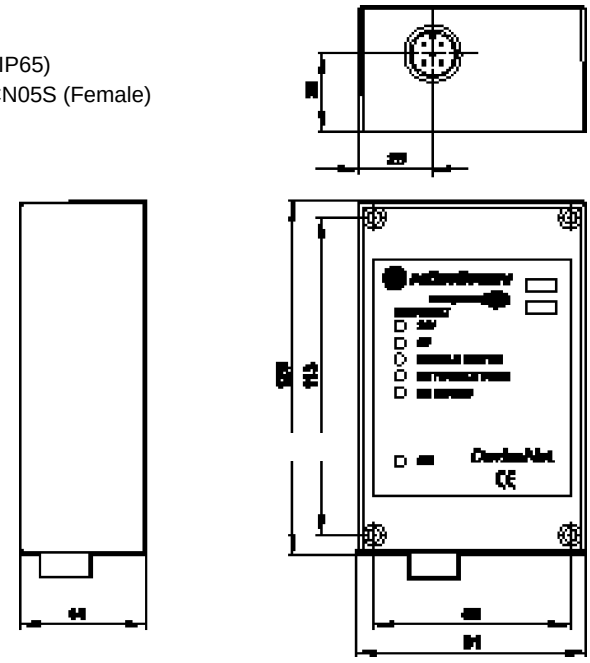


## DeviceNet Fieldbus Node

Single Micro Change Type Connector
VE2DNFNB-64640

Accessories:

Wireable M12 Connector (IP65)
Part No: VE2DNCRS-CN05S (Female)

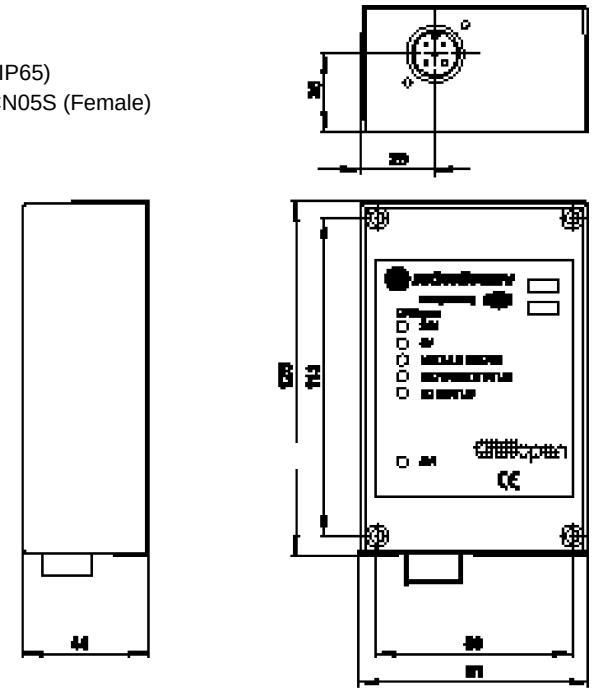


## CANopen Fieldbus Node

Single Micro Change Type Connector
VE2CAFNB-64640

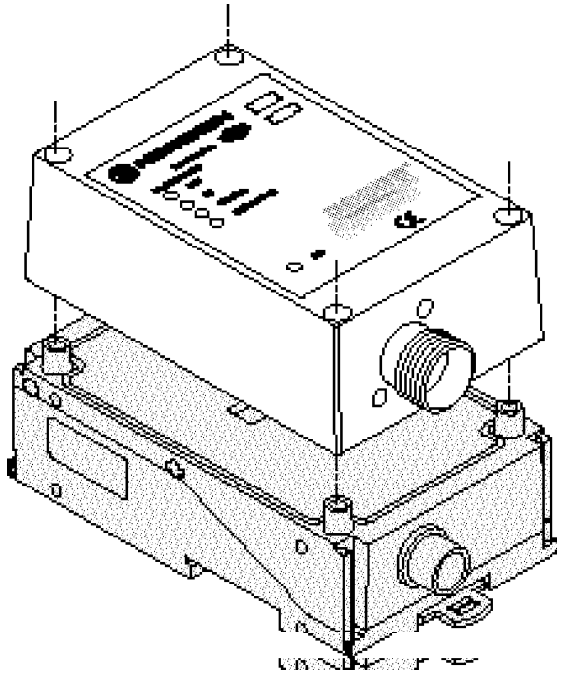
Accessories:

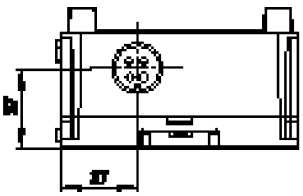
Wireable M12 Connector (IP65)
Part No: VE2DNCRS-CN05S (Female)

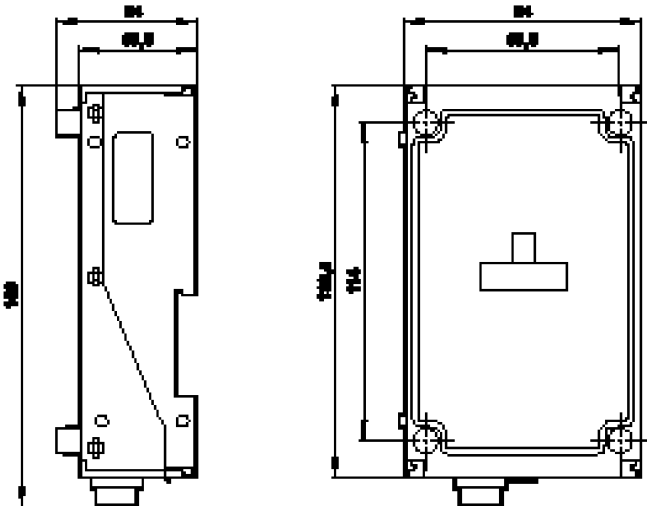


## Common Node Sub-base

Plastic Connector - VE2FBSBA-00000
Metal Connector - VE2FBSBA-00000M







### Sub-Base Pin Out Detail

| Part Number | |
|---|---|
| VE2FBSBA-00000 | Plastic |
| VE2FBSBA-00000M | Metal |

### Common Node Accessories

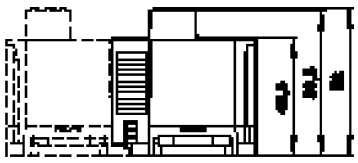
Power cable with 4 pole female connector and hood

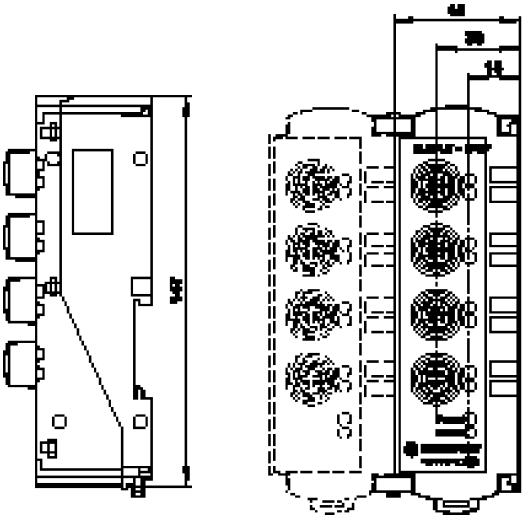
| Part Number | |
|---|---|
| VE2FBCPS-M1810 | 1 metre |
| VE2FBCPS-M1830 | 3 metres |
| VE2FBCPS-M1850 | 5 metres |

Wireable 4 pole female connector and hood

| Part Number | |
|---|---|
| VE2FBCPS-M1800 | Plastic |
| V11156-E02 | Metal |

## Input and Output Modules





VE2FBIMF-04000 4 Inputs NPN
VE2FBIMG-04000 4 Inputs PNP

4 Pin input connection

| Pin | |
|---|---|
| 1 | Sensor supply + |
| 3 | Sensor supply - |
| 4 | Signal input |

VE2FBOMA-00040 4 Ouputs

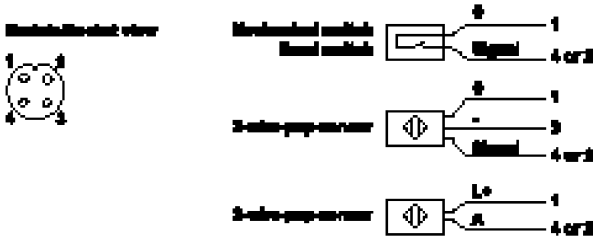
3 Pin output connection

| Pin | |
|---|---|
| 4 | Switch output + |
| 3 | External voltage - |

VE2FBIMF-08000 8 Inputs NPN
VE2FBIMG-08000 8 Inputs PNP

4 Pin input connection

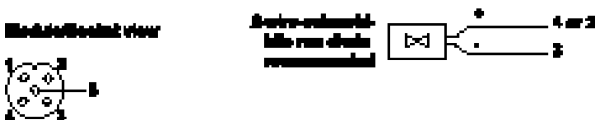
| Pin | |
|---|---|
| 1 | Sensor supply + |
| 3 | Sensor supply - |
| 2+4 | Signal input |



VE2FBOMA-00080 8 Ouputs

3 Pin output connection

| Pin | |
|---|---|
| 2+4 | Switch output + |
| 3 | External voltage - |

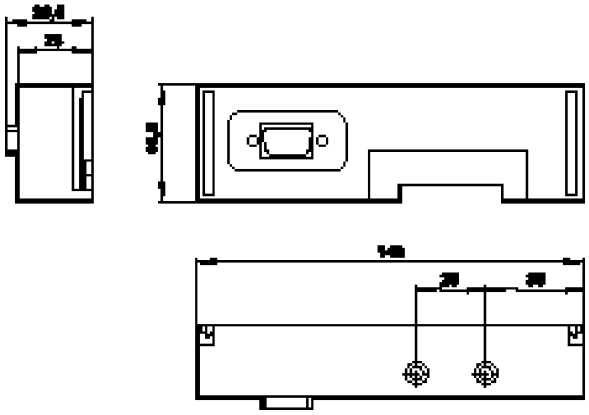


## Valve Island Interface Plate

For connection between Common Node Sub-base or Input/Output Module and Valve Island

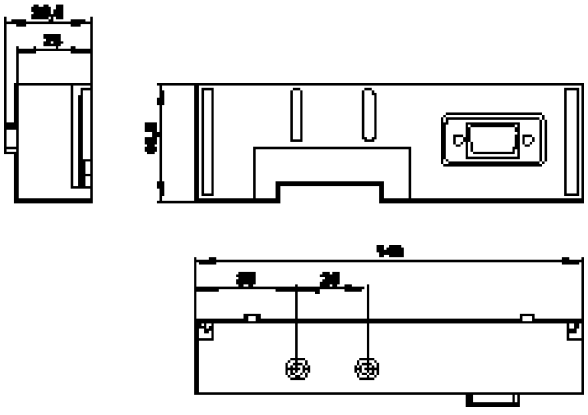
### Left Hand Side (LHS)

VE2FBVPL-00000

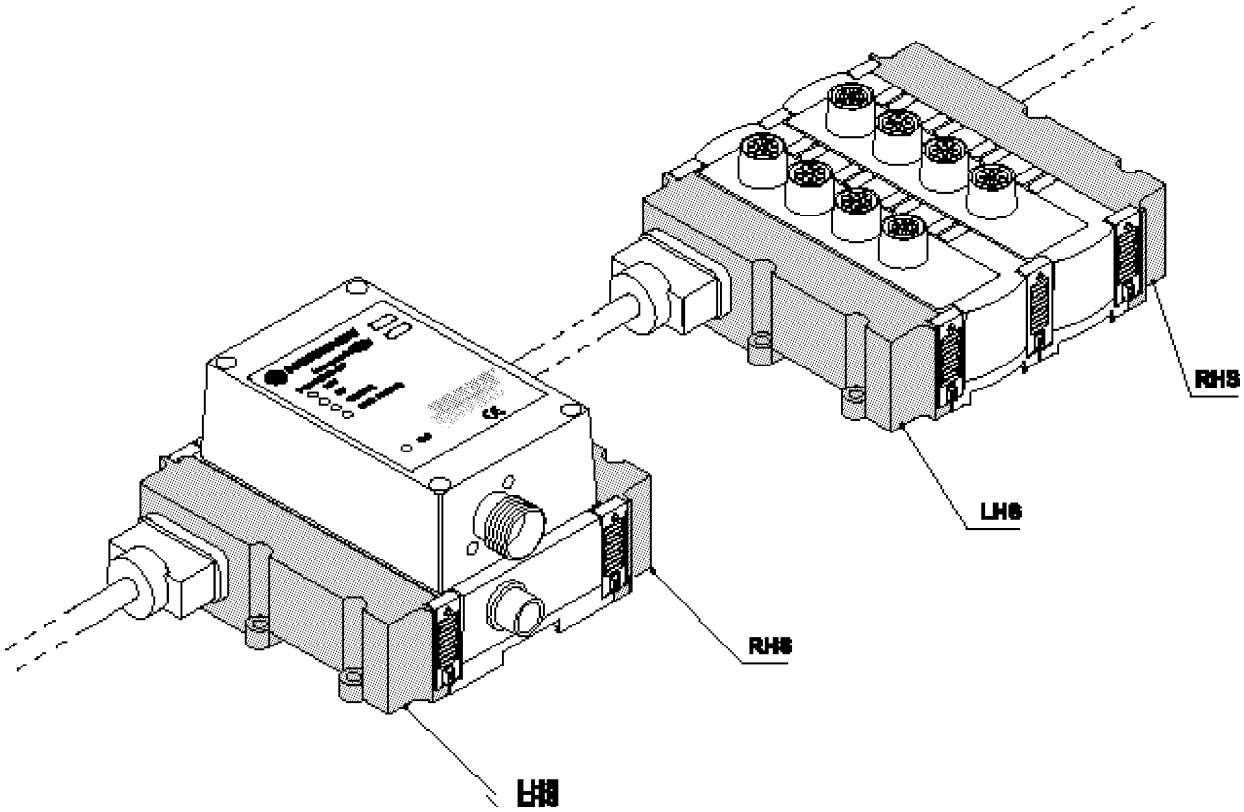


### Right Hand Side (RHS)

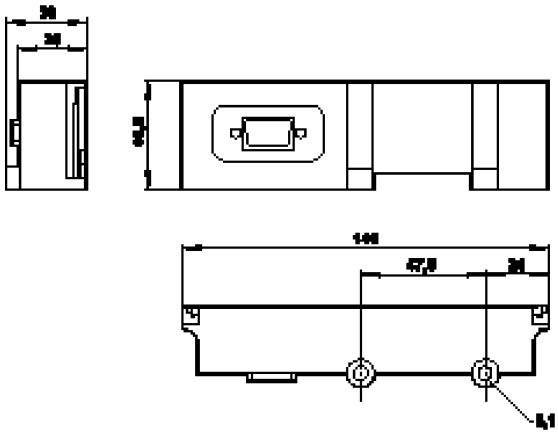
VE2FBVPR-00000



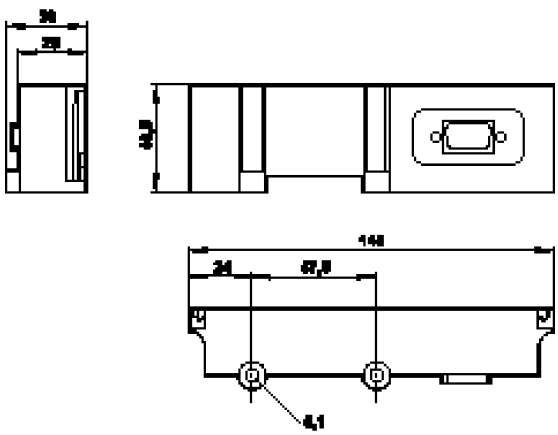
## End Covers for Common Node Sub-base and Input/Output Modules




**Left Hand Side (LHS)**
VE2FBECL-00000

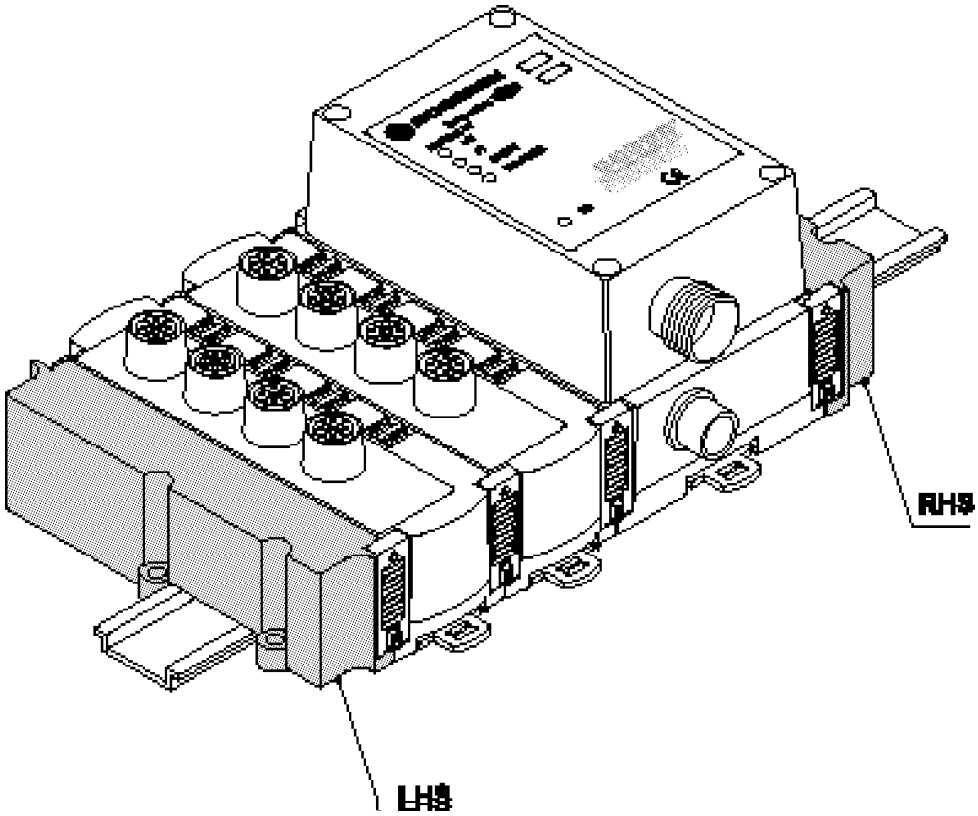


**Right Hand Side (RHS)**
VE2FBECR-00000

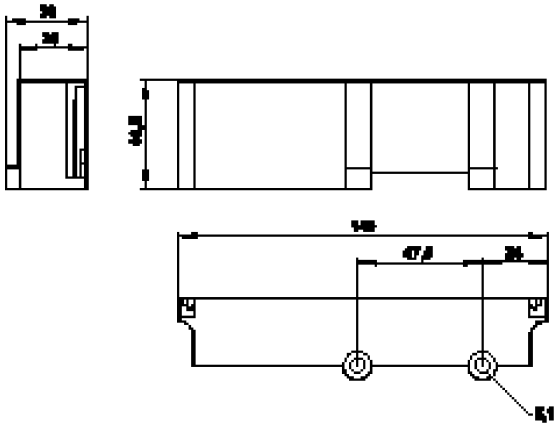


## 9-pin Cable Interface Plate

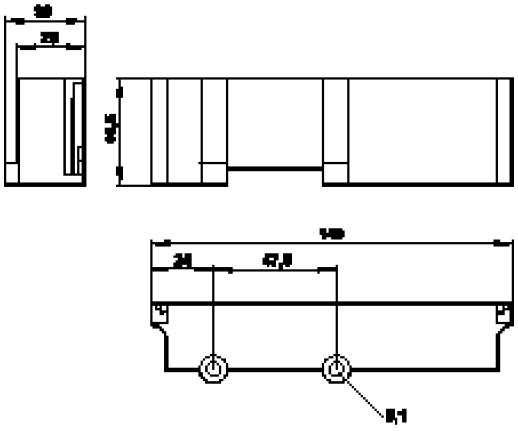
For Common Node Sub-base and Input/Output Modules




**Left Hand Side (LHS)**
VE2FBCPL-00000



**Right Hand Side (RHS)**
VE2FBCPR-00000



# Fieldbus specification

**Fieldbus system specification form VE/** .....

**Company name** ..... **Contact name** .....

**Address** ..... **Tel no** .....

..... **Fax no** .....

..... **E-mail** .....

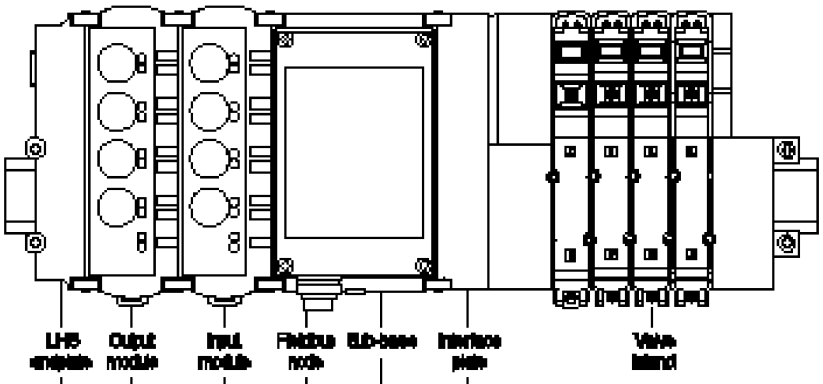
**Using the short order codes provided complete the build model below.**

**One unit per sheet only**

**Unit ID No.** .....
**Norgren to specify**

**Diagnostic features** Yes ☐ No ☐

**Centralised configuration** No. of units required ☐




Code | | | | | F5 | |

No. of units | | |

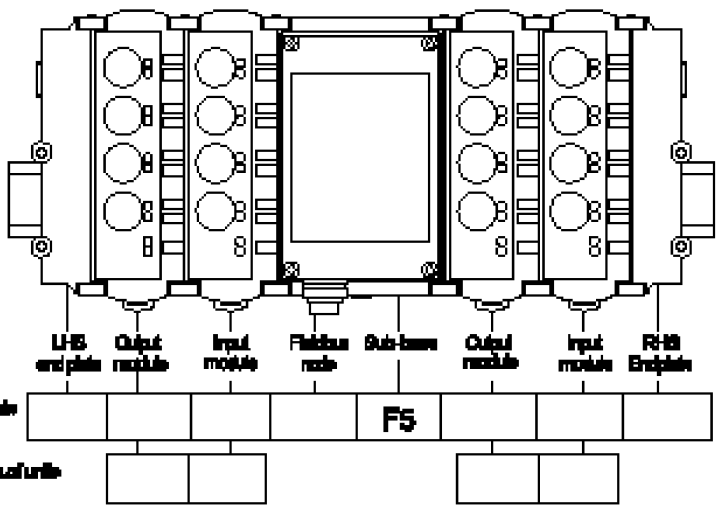
**Valve Island Specification form**

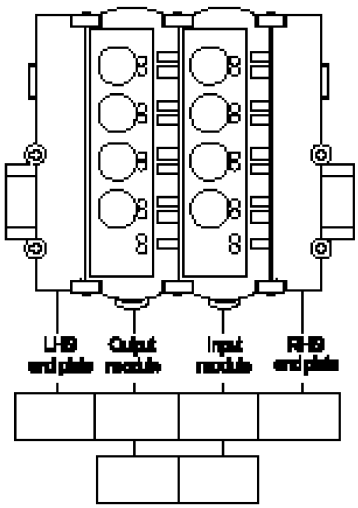
**VIFV** .....

**Accessories**

| | Code | Quantity |
|---|---|---|
| Distributed cables | | |
| Power cables (1 per node) | | |
| Sensor cables | | |
| Solenoid cable | | |
| Communication connectors | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**Distributed configuration** No. of units required ☐ **Remote inputs and outputs** No. of units required ☐



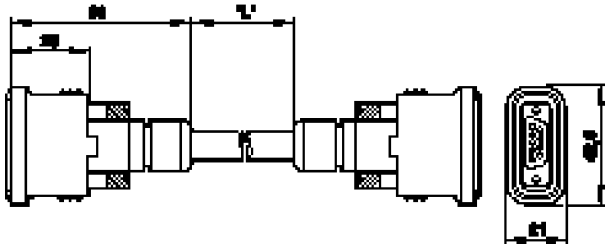

Code | | | | | F5 | | | |

No. of units | | | |

## Distributed Systems

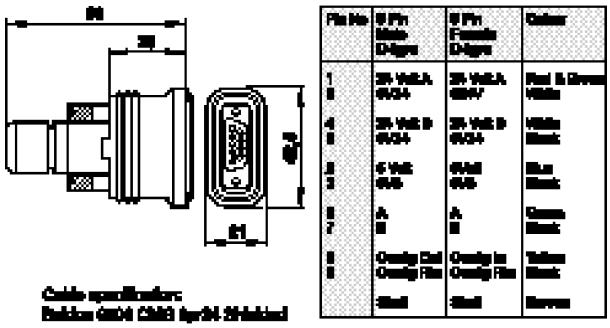
Cable with 9-pin D-Type Connectors (IP65)

VE2FBC9P-9S010 L = 1 metre
VE2FBC9P-9S030 L = 3 metres
VE2FBC9P-9S050 L = 5 metres



Wireable 9-pin D-Type Connectors (IP65)

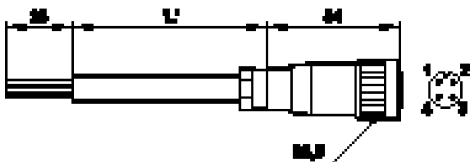
VE2FBC9P-00000 male
VE2FBC9S-00000 female



### Power supply cables and connectors (For common node sub-base)

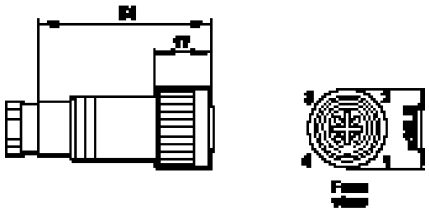
**Cable and connector assemblies (IP65)**

VE2FBCPS-M1810 L = 1 metre
VE2FBCPS-M1830 L = 3 metres
VE2FBCPS-M1850 L = 5 metres

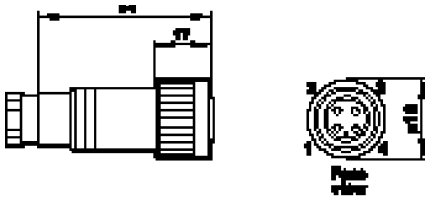


**Wireable Power Supply Connector (IP65)**

VE2FBCPS-M1800 - Plastic



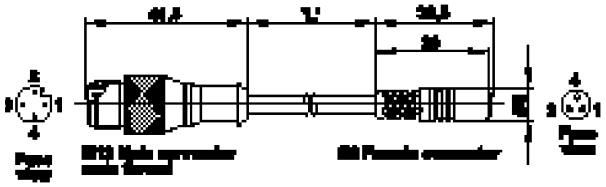
V11156-E02 - Metal



### Input M12 plug and cable assemblies for sensors

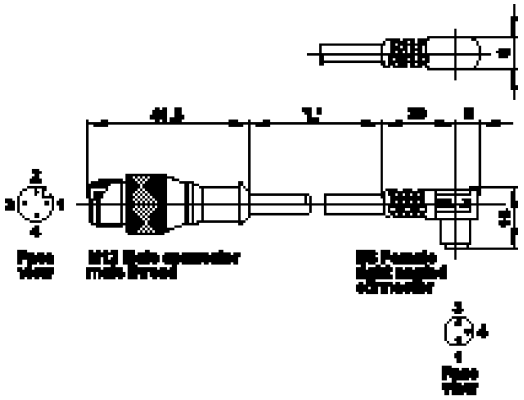
3 pin plug to 3 pin socket – straight connectors

VE1FBC8S-M1210 L = 1 metre length
VE1FBC8S-M1230 L = 3 metre length
VE1FBC8S-M1250 L = 5 metre length



3 pin plug to 3 pin socket

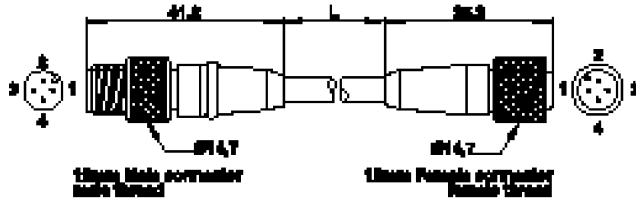
VE1FBC8E-M1210 L = 1 metre length
VE1FBC8E-M1230 L = 3 metre length
VE1FBC8E-M1250 L = 5 metre length



### Input M12 plug and cable assemblies for sensors

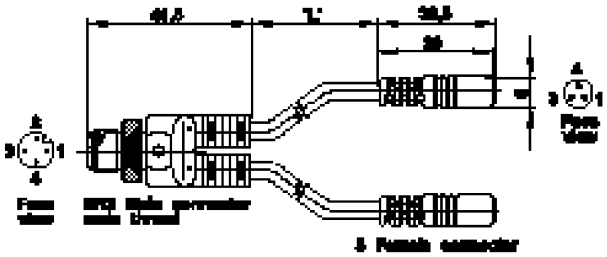
4 pin plug to 4 pin socket straight connector

VE1FBC0S-M1210 L = 1 metre length
VE1FBC0S-M1230 L = 3 metre length
VE1FBC0S-M1250 L = 5 metre length



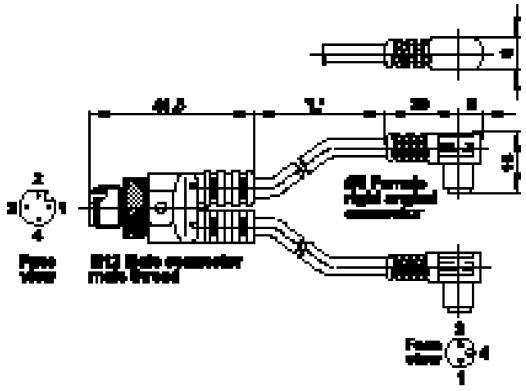
4 pin plug to 2x3 pin socket straight connector

VE1FBC8S-M121D L = 1 metre length
VE1FBC8S-M123D L = 3 metre length
VE1FBC8S-M125D L = 5 metre length



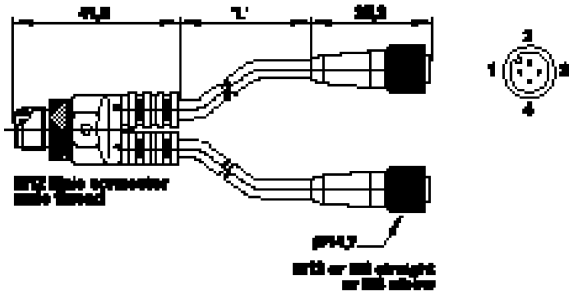
4 pin plug to 2x3 pin socket right angle connector

VE1FBC8E-M121D L = 1 metre length
VE1FBC8E-M123D L = 3 metre length
VE1FBC8E-M125D L = 5 metre length



4 pin plug to 2x3 pin socket straight connector

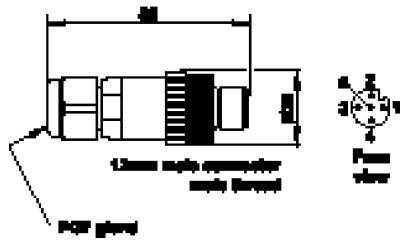
VE1FBC0S-M121D L = 1 metre length
VE1FBC0S-M123D L = 3 metre length
VE1FBC0S-M125D L = 5 metre length



## Input and Output M12 plug and cable assemblies for solenoid coils

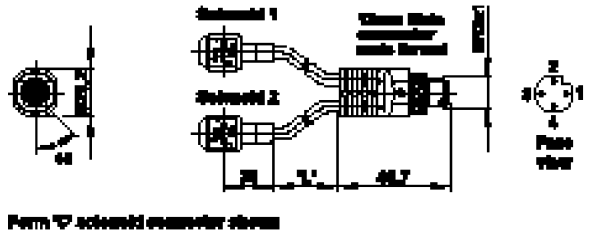
Wireable Input or output 5 pin male plug – screw termination

VE1FBCRS-M125P



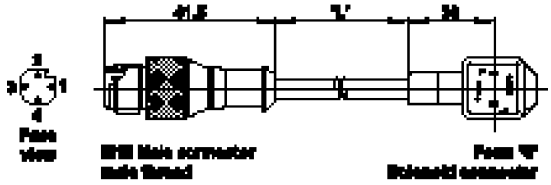
4 pin plug to 2 valve connections

| | |
|---|---|
| VE1FBCTC-M1203 | L = 0,3 cable, Type ‘C’ connector |
| VE1FBCTC-M1210 | L = 1m cable, Type ‘C’ connector |
| VE1FBCTB-M1203 | L = 0,3 cable, Industrial connector |
| VE1FBCTB-M1210 | L = 1m cable, Industrial connector |
| VE1FBCTA-M1203 | L = 0,3 cable, Type ‘A’ connector |
| VE1FBCTA-M1210 | L = 1m cable, Type ‘A’ connector |



3 pin plug to valve connection

| | |
|---|---|
| VE1FBCSC-M1203 | L = 0,3 cable, Type ‘C’ connector |
| VE1FBCSC-M1210 | L = 1m cable, Type ‘C’ connector |
| VE1FBCSB-M1203 | L = 0,3 cable, Industrial connector |
| VE1FBCSB-M1210 | L = 1m cable, Industrial connector |
| VE1FBCSA-M1203 | L = 0,3 cable, Type ‘A’ connector |
| VE1FBCSA-M1210 | L = 1m cable, Type ‘A’ connector |



Coil plugs are fitted with LED and supression as standard

## Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **‘Technical Data’**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
**System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.**
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.