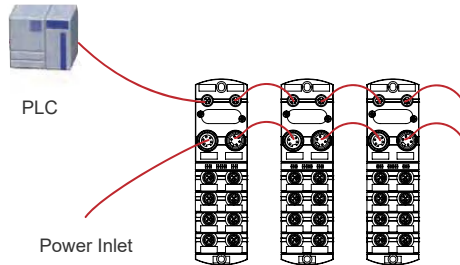
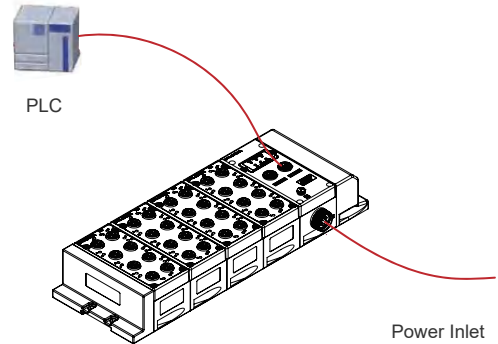


Innovative IP67 Solution Topology Design

Traditional Solution

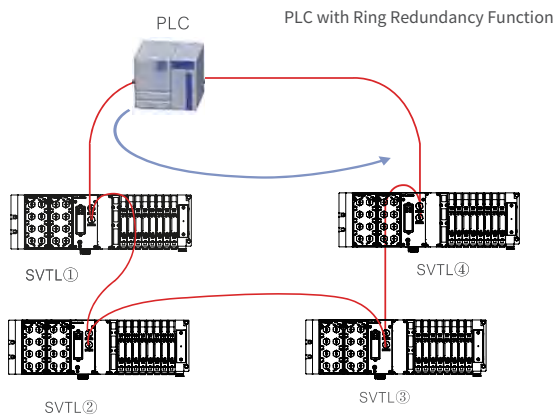


PLIEM Solution

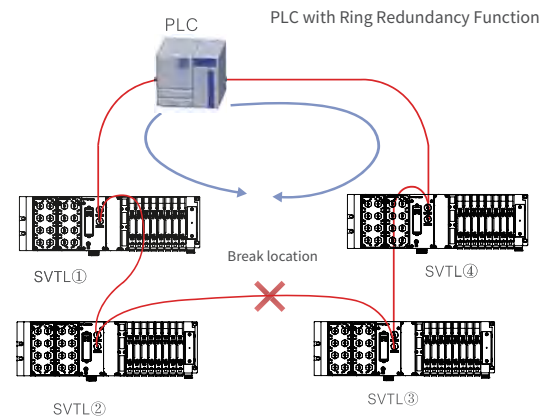


- Simplify wiring by 30%, significantly reduce volume, and improve both installation efficiency and space utilization.
- Integrated DI/DO/AI/AO multiple interfaces, flexible combination and adaptation to meet diverse industrial control needs.
- Fully upgraded functionality, simple and atmospheric appearance, balancing practicality and visual aesthetics.
- Comprehensive cost optimization, dual cost savings in procurement and operation, outstanding cost-effectiveness advantage.

Normal Information Flow



Information Flow Direction in Communication Cable Circuit Breaker



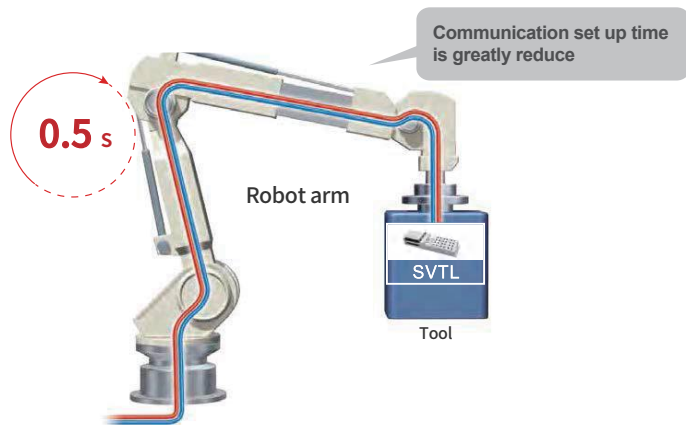
With Quick Connect And Fast Start Up Functions

the time from power ON to communication establishment:

In the case of a quick-change device for robotic tools, for standard products, it typically takes about 10 seconds from powering on the tool's power supply to establishing a communication connection.

With Quick Connect and Fast Start Up, SVTL achieves approximately 0.5 seconds for communication setup.

※ The PLC used for Quick Connect and Fast Start Up functions must also support these features.



SVTL^L Light

SVTL Series



► Main Features

Valve Plate Width

10mm/15mm

Reliable Operation

Supports debugging via manual buttons

Multiple Electrical Control Methods

multi-pin connection and bus connection

Compactedness

Integrated silencer and connector

Flexibility

Supports up to 32 coils

Reduce Downtime

On-site Fault Diagnosis Using LED Indicators

Safe

The operating voltage is $\pm 20\%$, and the IO module and valve plate can be disconnected independently.

Valve Blade Power

Minimum power: 0.2W

► Technical Parameter

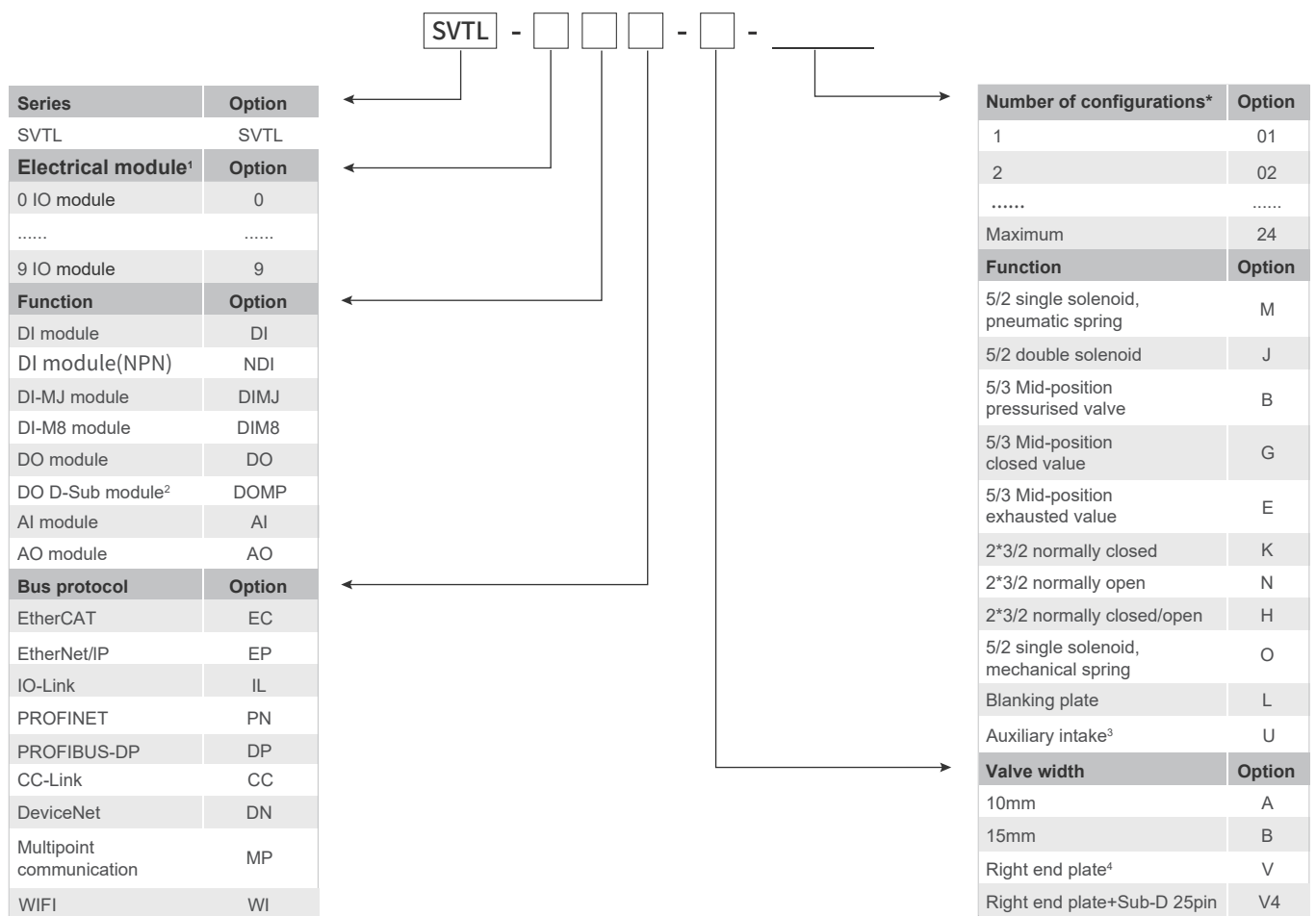
Medium	Compressed air, filter grade 40 μ m, lubricated or un-lubricated
Structure	Dynamic Soft Seal Sliding Valve and Pilot Operation of Solenoid Valve
Way to install	Base valve
Inlet 1,3&5	10mm: 8 mm, 10mm, 5/16 15mm: 10 mm, 12mm, 3/8
Workspaces 2&4	10mm: 4 mm, 6 mm 15mm: 6 mm, 8 mm, 10mm

Working pressure	Maximum pressure: 7 bar
Working temperature	-5...+50°C(+23 ... 122°F) The gas supply must be sufficiently dry to avoid freeze when temperature is below +2°C(+35°F)
Material quality	Valve plate: ZnDC and ADC
	Valve core: Aluminium
	Seal components: NBR
	Base: PA66

Valve function	5/2 - Valve	Single solenoid
	5/2 - Valve	Double solenoid
	2x3/2 - Valve	Normally open
	2x3/2 - Valve	Normally closed
	2x 3/2 - Valve	Normally open/closed

Valve function	5/3 - Valve	Mid-position pressurised
	5/3 - Valve	Mid-position closed
	5/3 - Valve	Mid-position exhausted

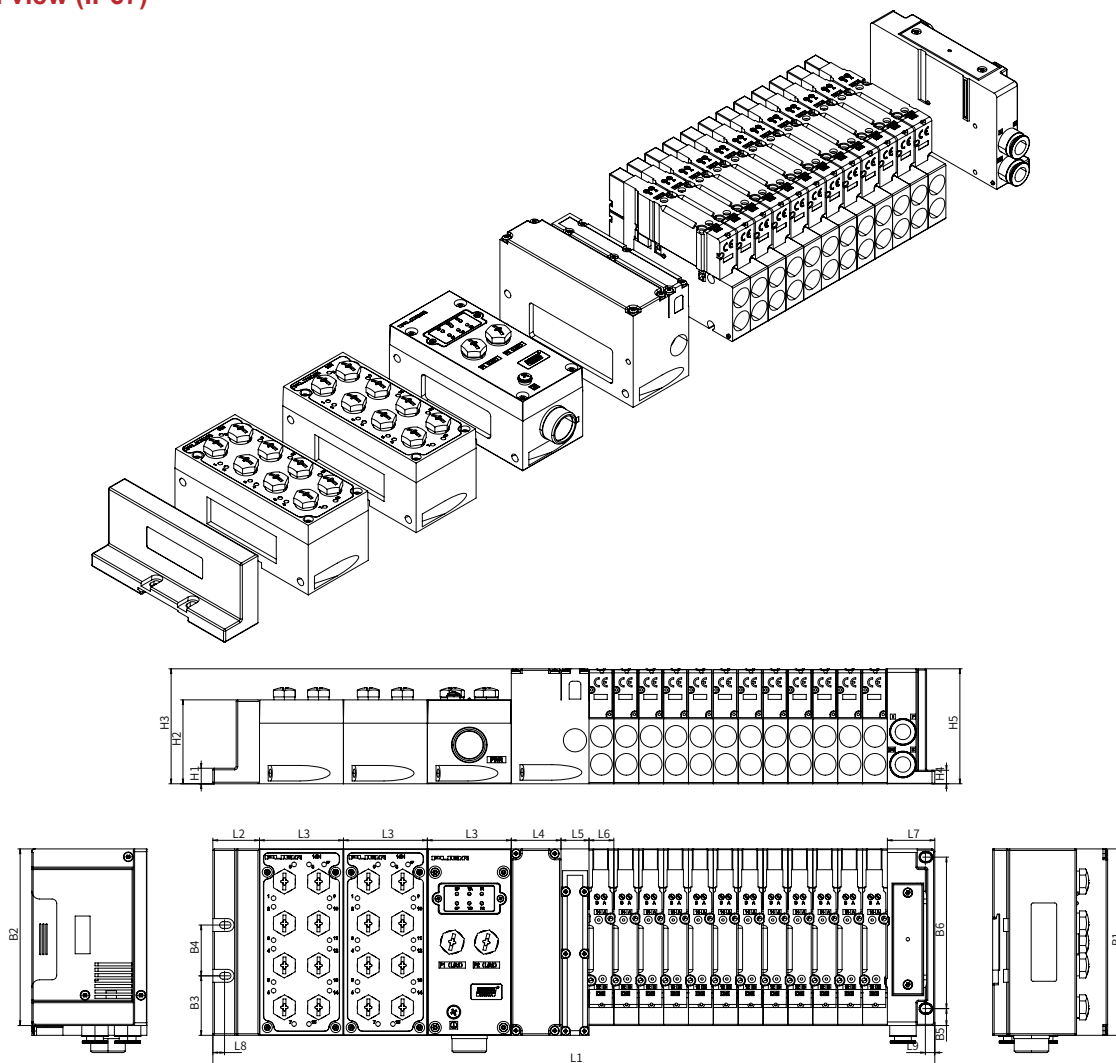
► Valve Island Configuration



- 1: More than 9 electrical modules need auxiliary power supply
- 2: MP and IL cannot be powered
- 3: Auxiliary air intake supports pressure zoning
T-Partition: Port 1;
TS-Partition: Ports 3 and 5;
TST-Partition: Ports 1, 3, and 5.
Please contact PLIEM for further inquiries

► Date Sheet - Valve Terminal

Exploded view (IP67)



Unit	H1	H2	H3	H4	H5	B1	B2	B3	B4	B5	B6
[mm]	10	54	74	8.7	74	120	113.7	38.3	32.7	10.9	97.5

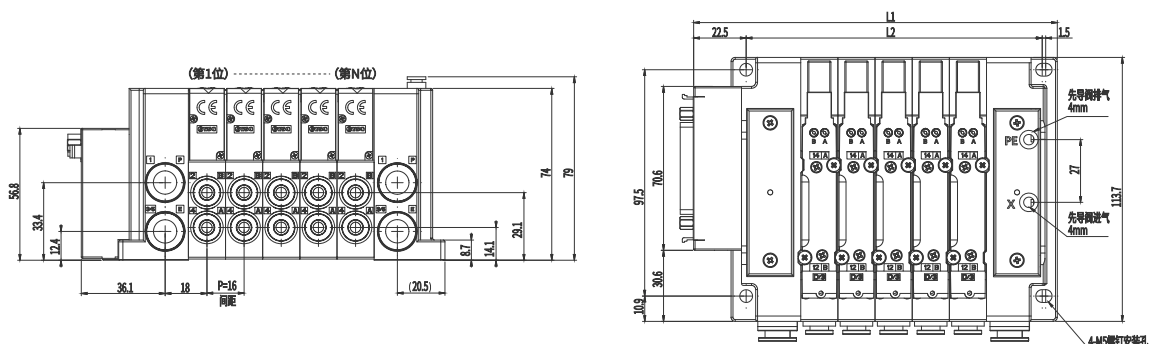
Unit	L2	L3	L4	L5	L6	L7	L8	L9
[mm]	30	54	32	18	16	30.5	7.5	6

Width	L1	
10mm	30+54+32+18+30.5+n1*11	
15mm	30+54+32+18+30.5+n2*16	

n1: Number of 10mm valve plates
n2: Number of 15mm valve plates

► Date Sheet - Valve Terminal Of The Multi - Valve Island

Internal pilot



Digit capacity	2	3	4	5	6	7	8	9	10	11	12	13
L1	108.5	124.5	140.5	156.5	172.5	188.5	204.5	220.5	236.5	252.5	286.5	284.5
L2	80	96	112	128	144	160	176	192	208	224	240	256

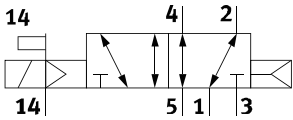
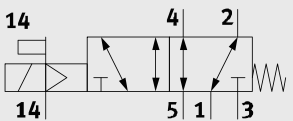
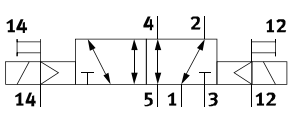
Digit capacity	14	15	16	17	18	19	20	21	22	23	24
L1	300.5	316.5	332.5	348.5	364.5	352.5	396.5	412.5	428.5	444.5	460.5
L2	272	288	304	320	336	352	368	384	400	416	432

Multi pin connector Sub-D 25pin

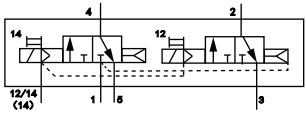
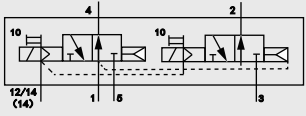
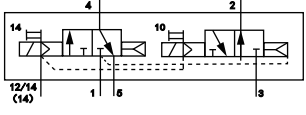
Terminal assignment	No.	Coil	No.	Coil	No.	Coil	No.	Coil	No.	Coil
	1	1-a	6	6-a	11	11-a	16	3-b	21	8-b
	2	2-a	7	7-a	12	12-a	17	4-b	22	9-b
	3	3-a	8	8-a	13	Common	18	5-b	23	10-b
	4	4-a	9	9-a	14	1-b	19	6-b	24	11-b
	5	5-a	10	10-a	15	2-b	20	7-b	25	12-b

► Main Features-Pneumatic Components

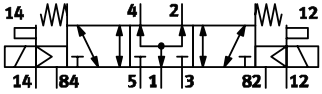
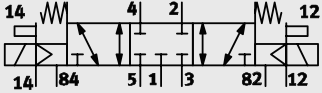
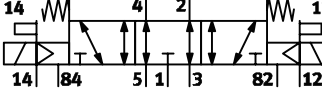
5/2-Valve

Code	Airway Diagram	Width(mm)	l/min	Description
M		10	320	5/2-way solenoid valve, single solenoid · pneumatic spring return · Reverse work · Working pressure -0.09 ... +0.7 bar
		15	820	
O		10	320	5/2-way solenoid valve, single solenoid · mechanical spring return · Reverse work · Working pressure -0.09 ... +0.7 bar
		15	820	
J		10	320	5/2-way solenoid valve, double solenoid · Working pressure -0.09 ... +0.7 bar
		15	820	

2x3/2-Valve

Code	Airway Diagram	Width(mm)	l/min	Description
K		10	320	2x 3/2-way solenoid valve, single solenoid · normally closed · pneumatic spring return · Working pressure 2 ... +7 bar
		15	710	
N		10	320	2x 3/2-way solenoid valve, single solenoid · normally open · pneumatic spring return · Working pressure 2 ... +7 bar
		15	710	
H		10	320	2x 3/2-way solenoid valve, single solenoid · normally position -1x normally closed -1x normally open · pneumatic spring return · Working pressure 2 ... +7 bar
		15	710	

5/3-Valve

Code	Airway Diagram	Width(mm)	l/min	Description
B		10	370	5/3-way solenoid valve · mid-position pressurised · mechanical spring return · Working pressure -0.09 ... +0.7 bar
		15	800	
G		10	370	5/3-way solenoid valve · mid-position closed ^{Note1)} · mechanical spring return · Working pressure -0.09 ... +0.7 bar
		15	800	
E		10	370	5/3-way solenoid valve · mid-position exhausted ^{Note1)} · mechanical spring return · Working pressure -0.09 ... +0.7 bar
		15	800	

► Valve Plate Configuration

Series	Option
V	V1/V2
S	S1/S2
FS	Option
2x3/2 normally closed	32 CC
2x3/2 normally open	32 OO
2x3/2 normally closed/open	32 CO
5/3 exhausted valve	53 MP
5/3 pressurised valve	53 MC
5/3 closed valve	53 ME
5/2 double solenoid	52 D
5/2 single solenoid, mechanical spring	52 SM
5/2 single solenoid, pneumatic spring	52 SP

VTLV

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Width	Option
10mm	A
15mm	B
FS	Option
2x3/2 normally closed	K
2x3/2 normally open	N
2x3/2 normally closed/open	H
5/3 exhausted valve	B
5/3 pressurised valve	G
5/3 closed valve	E
5/2 double solenoid	J
5/2 single solenoid, mechanical spring	O
5/2 single solenoid, pneumatic spring	M
Vacant plate	L

Note : Add "S" after the standard valve code for the external pilot valve

Note : Add "S" after the standard valve code for the external pilot valve.

For example: the 2 × 3/2 normally closed code for the external pilot valve is "KS".

Coil Parameter

Working voltag	(24V DC) ± 10%
Duty cycle	100 % Continuous duty
Indicator light	LED green/red
surge protection	Transient diode
Material quality	PPS (body)/FKM/NBR (seal)

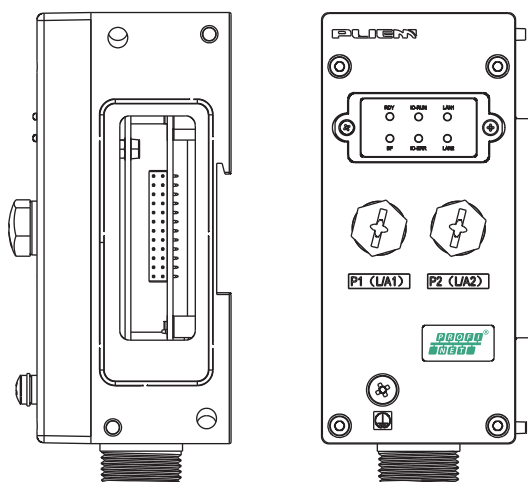
► Order Information - VTLV

Code	Valve plate function description	Width(mm)	Order number	Model
K	2x 3/2-way solenoid valve, single solenoid · normally closed	10	369201	VTLV-V1S1-32CC-A-K
N	2x 3/2-way solenoid valve, single solenoid · normally open	10	369202	VTLV-V1S1-32OO-A-N
H	2x 3/2-way solenoid valve, single solenoid · normally position -1x normally closed -1x normally open	10	369203	VTLV-V1S1-32OC-A-H
M	5/2-way solenoid valve, single solenoid · pneumatic spring return	10	369204	VTMLV-V1S1-52SP-A-M
O	5/2-way solenoid valve, single solenoid · mechanical spring return	10	369205	VTLV-V1S1-52SM-A-O
J	5/2-way solenoid valve · double solenoid	10	369206	VTLV-V1S1-52D-A-J
B	5/3-way solenoid valve · mid-position pressurised	10	369207	VTLV-V1S1-53ML-A-B
G	5/3-way solenoid valve · mid-position closed	10	369208	VTLV-V1S1-53MC-A-G
E	5/3-way solenoid valve · mid-position exhausted	10	369209	VTLV-V1S1-53ME-A-E
L	vacant plate	10	369210	VTLV-V1S1-A-L
K	2x 3/2-way solenoid valve, single solenoid · normally closed	15	369221	VTLV-V1S1-3200-B-N
N	2x 3/2-way solenoid valve, single solenoid · normally open	15	369222	VTLV-V1S1-32CC-B-K
H	2x 3/2-way solenoid valve, single solenoid · normally position -1x normally closed -1x normally open	15	369223	VTLV-V1S1-320C-B-H
M	5/2-way solenoid valve, single solenoid · pneumatic spring return	15	369224	VTLV-V1S1-52SP-B-M
O	5/2-way solenoid valve, single solenoid · mechanical spring return	15	369225	VTLV-V1S1-52SM-B-O
J	5/2-way solenoid valve · double solenoid	15	369226	VTLV-V1S1-52D-B-J
B	5/3-way solenoid valve · mid-position pressurised	15	369227	VTLV-V1S1-53ML-B-B
G	5/3-way solenoid valve · mid-position closed	15	369228	VTLV-V1S1-53MC-B-G
E	5/3-way solenoid valve · mid-position exhausted	15	369229	VTLV-V1S1-53ME-B-E
L	vacant plate	15	369230	VTLV-V1S1-B-L

► Main features – Electrical modules

Communication module: PROFINET IRT

Connector: 2xM12 4-pin/1 x7/8 5-pin



Communication connector:M12 4-PIN D-coded

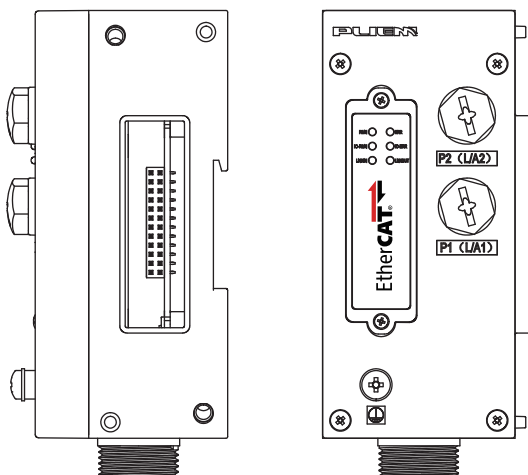
Cable distribution	NO.	Signal
	1	Transmission data+ (TD+)
	2	Receiving data+ (RD+)
	3	Transmission data- (TD-)
	4	Receiving data- (RD-)

Power connector:7/8"-M 5-PIN

Cable distribution	NO.	Function
	1	0 V DC power voltage, for valve and output
	2	0 V DC power supply voltage for electronic components and sensors
	3	FE
	4	24 V DC load power supply voltage, for electronic components and sensors
	5	24 V DC load power supply voltage, for valve and output

Communication module: EtherCat

Connector: 2xM12 4-pin/1 x7/8 5-pin



Communication connector:M12 4-PIN D-coded

Cable distribution	NO.	Signal
	1	Transmission data+ (TD+)
	2	Receiving data+ (RD+)
	3	Transmission data- (TD-)
	4	Receiving data- (RD-)

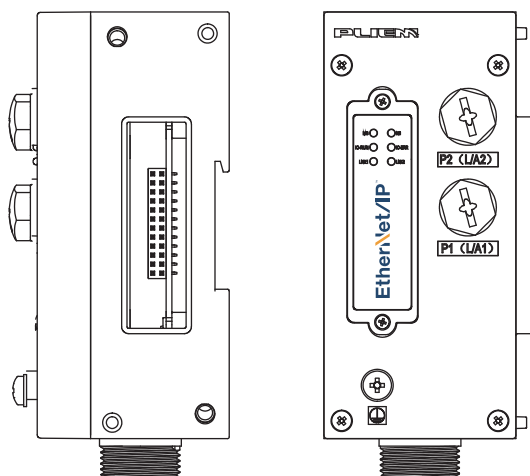
Power connector:7/8"-M 5-PIN

Cable distribution	NO.	Function
	1	0 V DC power voltage, for valve and output
	2	0 V DC power supply voltage for electronic components and sensors
	3	FE
	4	24 V DC load power supply voltage, for electronic components and sensors
	5	24 V DC load power supply voltage, for valve and output

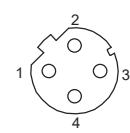
Communication module: EtherNet/IP

Connector: 2 x M12 4-pin / 1 x 7/8 5-pin

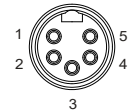
EtherNet/IP



Communication connector: M12 4-PIN D-coded

Cable distribution	NO.	Signal
	1	Transmission data+ (TD+)
	2	Receiving data+ (RD+)
	3	Transmission data- (TD-)
	4	Receiving data- (RD-)

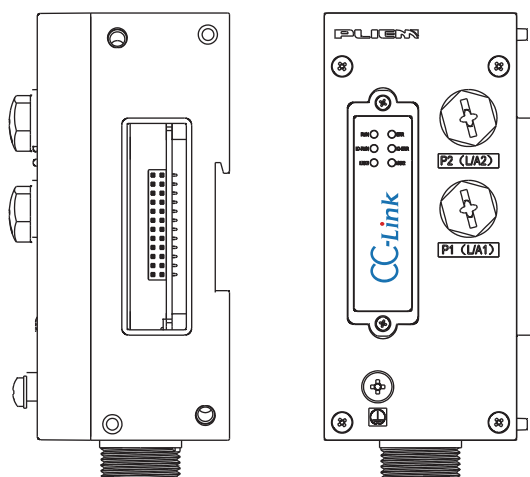
Power connector: 7/8"-M 5-PIN

Cable distribution	NO.	Function
	1	0 V DC power voltage, for valve and output
	2	0 V DC power supply voltage for electronic components and sensors
	3	FE
	4	24 V DC load power supply voltage, for electronic components and sensors
	5	24 V DC load power supply voltage, for valve and output

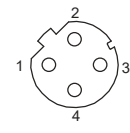
Communication module: CC-Link

Connector: 2 x M12 4-pin / 1 x 7/8 5-pin

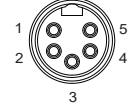
CC-Link



Communication connector: M12 4-PIN D-coded

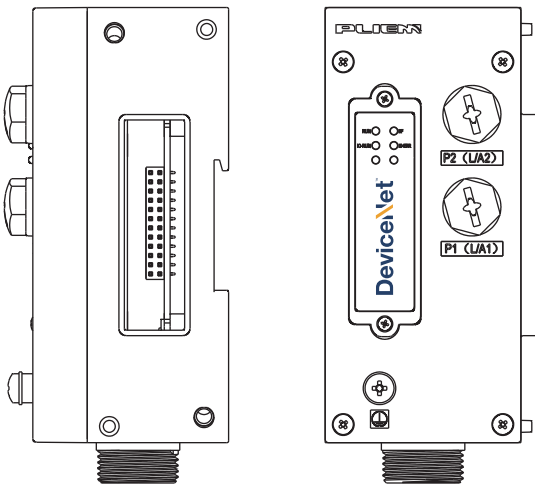
Cable distribution	NO.	Signal
	1	Transmission data+ (TD+)
	2	Receiving data+ (RD+)
	3	Transmission data- (TD-)
	4	Receiving data- (RD-)

Power connector: 7/8"-M 5-PIN

Cable distribution	NO.	Function
	1	0 V DC power voltage, for valve and output
	2	0 V DC power supply voltage for electronic components and sensors
	3	FE
	4	24 V DC load power supply voltage, for electronic components and sensors
	5	24 V DC load power supply voltage, for valve and output

Communication module: DeviceNet

Connector:2xM12 5-pin/1 x7/8 5-pin



Communication connector:M12 5-PIN D-coded

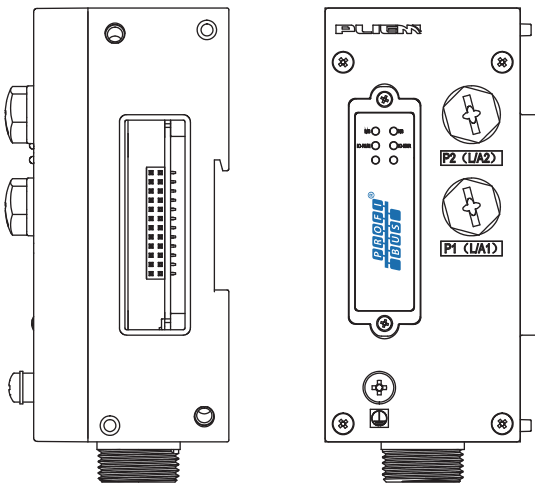
Cable distribution	NO.	Signal
	1	Drain Shielding
	2	V+
	3	V-
	4	CAN-H
	5	CAN-L

Power connector:7/8"-M 5-PIN

Cable distribution	NO.	Function
	1	0 V DC power voltage, for valve and output
	2	0 V DC power supply voltage for electronic components and sensors
	3	FE
	4	24 V DC load power supply voltage, for electronic components and sensors
	5	24 V DC load power supply voltage, for valve and output

Communication module: PROFIBUS-DP

Connector:2xM12 5-pin/1 x7/8 5-pin



Communication connector:M12 5-PIN D-coded

Cable distribution	NO.	Signal
	1	+5V
	2	DP-B
	3	RTS
	4	DP-A
	5	GND

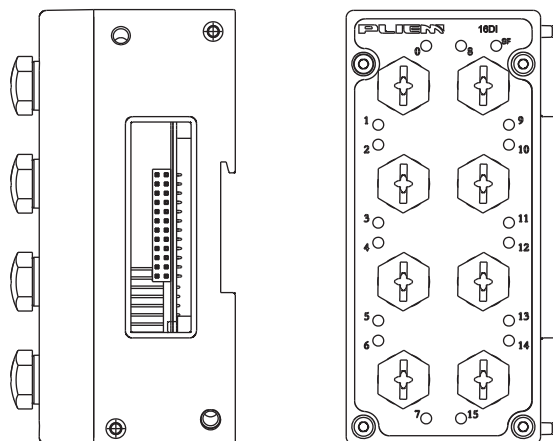
Power connector:7/8"-M 5-PIN

Cable distribution	NO.	Function
	1	0 V DC power voltage, for valve and output
	2	0 V DC power supply voltage for electronic components and sensors
	3	FE
	4	24 V DC load power supply voltage, for electronic components and sensors
	5	24 V DC load power supply voltage, for valve and output

Digital Input Module -16DI

Signal type	Number of input signals	Attended mode
PNP	Two signals per channel, 8 channels	8 x M12 5-pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.



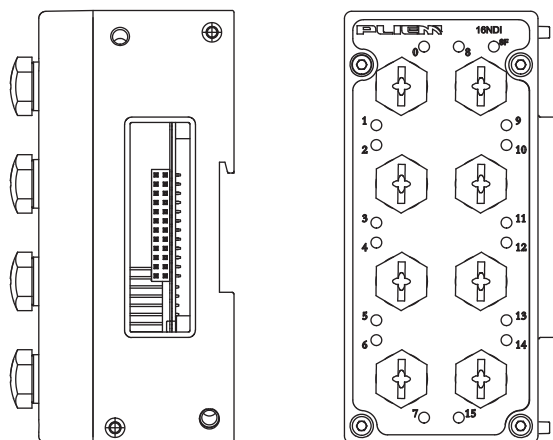
Input Module

Cable distribution	NO.	Signal
	1	24V power supply
	2	Digital Input 2
	3	0V power supply
	4	Digital Input 1
	5	FE

Digital Input Module -16NDI

Signal type	Number of input signals	Attended mode
NPN	Two signals per channel, 8 channels	8 x M12 5-pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.



Input Module

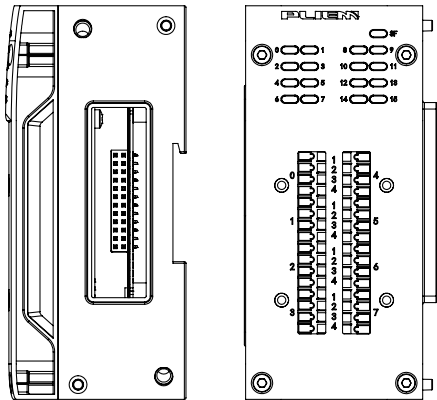
Cable distribution	NO.	Signal
	1	24V power supply
	2	Digital Input 2
	3	0V power supply
	4	Digital Input 1
	5	FE

Digital Input Module -16DI-MJ

Signal type	Number of input signals	Attended mode
PNP	16 position	32Pin(2*16) spring terminal

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.

Input Module

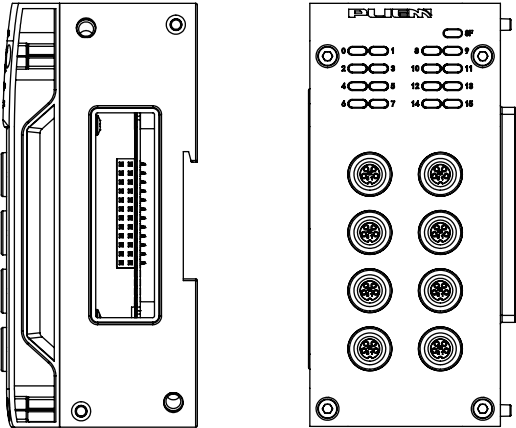


Cable distribution	Group	NO.	Signal	Group	NO.	Signal
	0	1	24V power supply×0	4	1	24V power supply×4
		2	Digital Input 0		2	Digital Input 8
		3	Digital Input 1		3	Digital Input 9
		4	0V power supply×0		4	0V power supply×4
	1	1	24V power supply×1	5	1	24V power supply×5
		2	Digital Input 2		2	Digital Input 10
		3	Digital Input 3		3	Digital Input 11
		4	0V power supply×1		4	0V power supply×5
	2	1	24V power supply×2	6	1	24V power supply×6
		2	Digital Input 4		2	Digital Input 12
		3	Digital Input 5		3	Digital Input 13
		4	0V power supply×2		4	0V power supply×6
	3	1	24V power supply×3	7	1	24V power supply×7
		2	Digital Input 6		2	Digital Input 14
		3	Digital Input 7		3	Digital Input 15
		4	0V power supply×3		4	0V power supply×7

Digital Input Module -16DI-M8

Signal type	Number of input signals	Attended mode
PNP	Two signals per channel, 8 channels	8 x M8 4-pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.



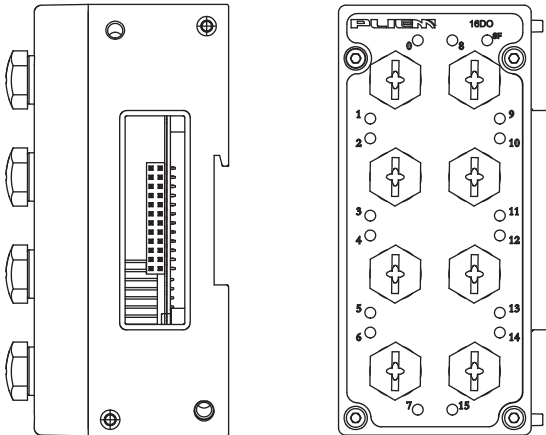
Input Module

Cable distribution	NO.	Signal
	1	24V power supply
	2	Input 1、3、5、7、9、11
	3	0V power supply
	4	Input 0、2、4、6、8、10

Digital Output Module -16DO

Signal type	Number of output signals	Attended mode
PNP	Two signals per channel, 8 channels	8 x M12 5-pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.



Output Module

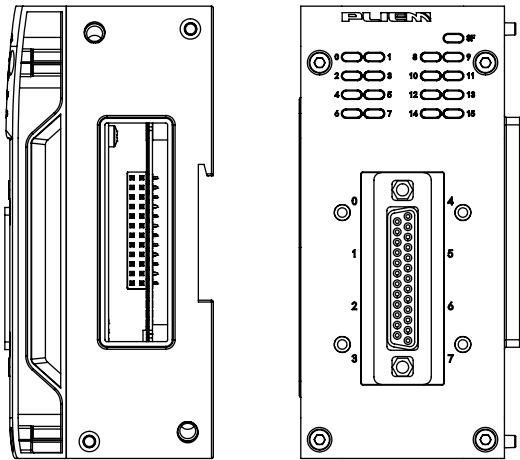
Cable distribution	NO.	Signal
	1	-
	2	Digital Output2
	3	0V power supply
	4	Digital Output1
	5	FE

Digital Output Module - 16DO Sub-D

Signal type	Number of output signals	Attended mode
PNP	24 position	Sub-D 25-pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.

Output Module



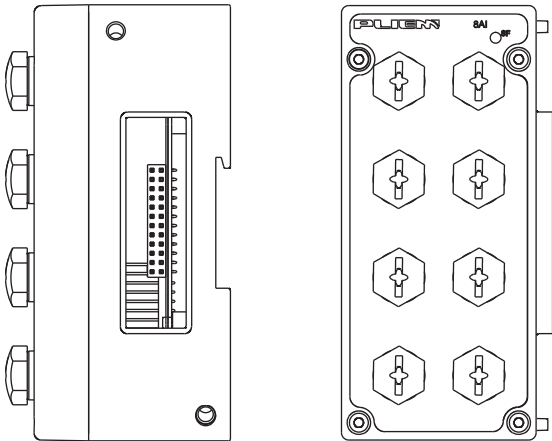
Cable distribution	NO.	Coil	NO.	Coil
	1	1-a	14	1-b
	2	2-a	15	2-b
	3	3-a	16	3-b
	4	4-a	17	4-b
	5	5-a	18	5-b
	6	6-a	19	6-b
	7	7-a	20	7-b
	8	8-a	21	8-b
	9	9-a	22	9-b
	10	10-a	23	10-b
	11	11-a	24	11-b
	12	12-a	25	12-b
	13	Common		

Analog Input Module - 8AI

Signal type	Number of input signals	Attended mode
AI module	8 channels	8x M12-5pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.

Input Module

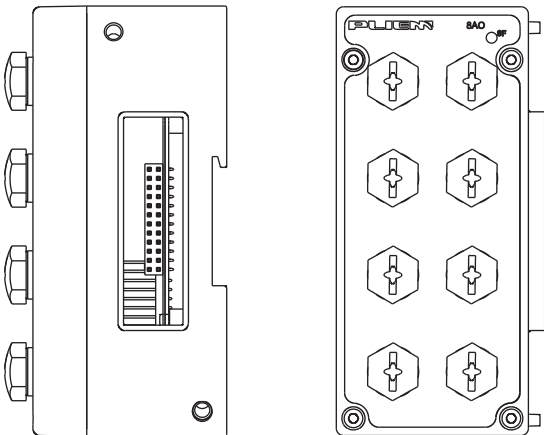


Cable distribution	NO.	Signal
	1	24V power supply
	2	Uin
	3	0V power supply
	4	Iin
	5	FE

Analog Output Module - 8AO

Signal type	Number of output signals	Attended mode
AO module	8 channels	8x M12-5pin

※ For parts and assembly instructions of industrial Ethernet components, please contact our technical service.

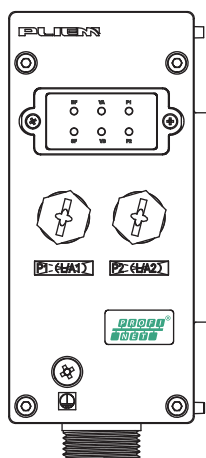


Output Module

Cable distribution	NO.	Signal
	1	24V power supply
	2	Uout
	3	0V power supply
	4	Iout
	5	FE

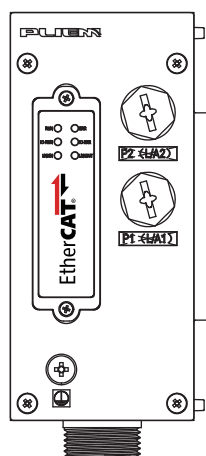
► Main Characteristics—Elect- Rical Specifications

Communication module:PROFINET IRT



Model		SVTM-PN (7/8 interface)	SVTM-PN1 (Push-pull and RJ45 interface)	SVTM-PN2(fiber)
Communication specification	Protocol Name	PROFINET IO		PROFINET IO
	Signaling speed	100Mbps		
	Configuration file	GSDMLdocument		
	Fast Start Up (communication connection time)	●		●
	MRPcorresponding	●		●
	System Redundancy S2	●		●
Internal consumption current (control and input power)		Below 120mA		
Output for communication errors		HOLD/CLEAR ON		
Defensive function		Built-in short circuit protection circuit		
Levels of protection		IP67 (when connected to the bus valve island)		
Standard		CE/UL		
Weight		390g		
Power supply		24V DC		

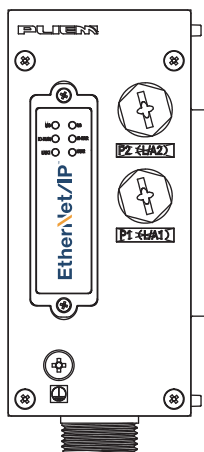
Communication module:EtherCAT



Model		EtherCAT bus
Communication specification	Protocol Name	EtherCAT
	Signaling speed	100Mbps
	Configuration file	XMLdocument
Internal consumption current (control and input power)		Below 120mA
Power supply		24V DC
Defensive function		Built-in short circuit protection circuit
Levels of protection		IP67 (when connected to the bus valve island)
Standard		CE/UL
Weight		390g

Communication module:EtherNet/IP

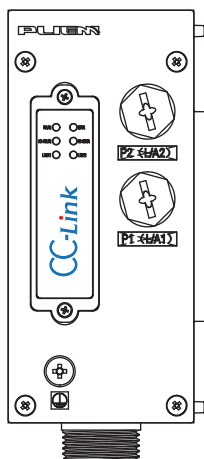
EtherNet/IP™



Model		EtherNet/IP bus
Communication specification	Protocol Name	EtherNet/IP™
	Signaling speed	10/100Mbps
	Communication mode	Full duplex half duplex
	Configuration file	EDS document
	IP address range	Set through the SI unit switch Through DHCP server: any address
	QuickConnect	●
Internal consumption current (control and input power)		Below 120mA
Power supply		24V DC
Output for communication errors		HOLD/CLEAR ON
Defensive function		Built-in short circuit protection circuit
Levels of protection		IP67 (when connected to the bus valve island)
Standard		CE/UL
Weight		300g

Communication module:CC-Link

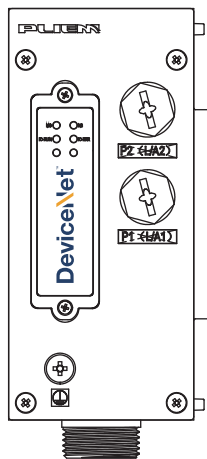
CC-Link



Model		CC-Link bus
Communication specification	Protocol Name	CC-Link IE FieldBasic(Ver.1.10,Ver.2.00)
	Station type	Remote station
	Signaling speed	100Mbps
	Configuration file	CSP+ file note
	Occupied domain (input points/output points)	1/2/3/4/5/6 stations
Internal consumption current (control and input power)		Below 75mA
Power supply		24V DC,2A
Output for communication errors		HOLD/CLEAR ON
Levels of protection		IP67 (when connected to the bus valve island)
Standard		CE/UL
Weight		400g

Communication module:DeviceNet

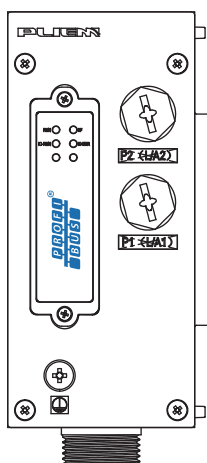
DeviceNet™



Model		DeviceNet bus
Communication specification	Protocol Name	DeviceNet
	Signaling speed	125/250/500Kbps
	Configuration file	EDS document
	Occupied domain (input points/output points)	Max(200Bytes/200Bytes)
DeviceNet power supply		DC11~25V (current consumption below 50mA)
Internal consumption current (control and input power)		Below 55mA
Power supply		24V DC,2A
Output for communication errors		HOLD/CLEAR/Force ON
Defensive function		Built-in short circuit protection circuit
Levels of protection		IP67 (when connected to the bus valve island)
Standard		CE/UL
Weight		390g

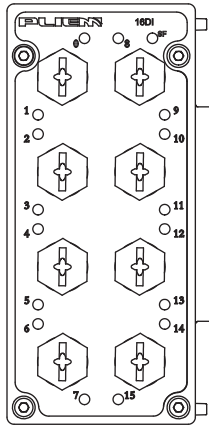
Communication module:PROFIBUS-DP

PROFIBUS®



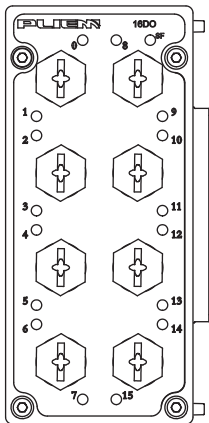
Model		PROFIBUS DP bus
Communication specification	Protocol Name	PROFIBUS DP(DP-VO)
	Device type	PROFIBUS DP slave
	Signaling speed	9.6/19.2/45.45/93.75/187.5/500kbps 1.5/3/6/12Mbps
	Configuration file	GSD document
	Occupied domain (input points/output points)	Max(244Bytes/244Bytes)
Internal consumption current (control and input power)		Below 80mA
Power supply		24V DC
Output for communication errors		HOLD/CLEAR/Force ON
Defensive function		Built-in short circuit protection circuit
Levels of protection		IP67 (when connected to the bus valve island)
Standard		CE/UL
Weight		390g

Digital Input Module -16DI



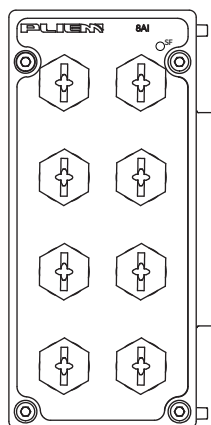
Model		16DI-M12		16DI-M8		16DI-MJ	
Input specification	Input format	PNP	NPN	PNP	NPN	PNP	NPN
	Input connector	M12 (5-pin) socket		M8 (3-pin) socket		Spring terminal block (32 pin)	
	Input points	16points(2points/connector)		16points(2points/connector)		16 points (2 points × 8 blocks)	
	Supply voltage	DC24V					
	Maximum supply current	0.5A /per connector 1.5A/ cell		0.5A /per connector 1.5A/ cell		0.5A/ block 1.5A/ unit	
	Defensive function	Built-in short circuit protection circuit					
	Input current (DC24V)	Below 9mA					/
Applicable wire		/		/		0.08~1.5mm ² (AWG16~28)	
Consumption current		Below 50mA		Below 55mA			
Levels of protection		IP67 (when connected to the bus valve island)					IP40 (when connected to the bus valve island)
Standard		CE/UL					
Weight		390g		385g		380g	

Digital Output Module -16DO



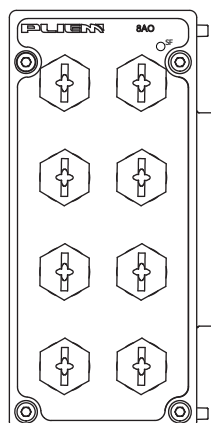
Model		16DO-M12		16DO-D-sub		16DO-MJ	
Output specification	Output format	PNP	NPN	PNP	NPN	PNP	NPN
	Output connector	M12 (5-pin) socket		D-sub (25 pins) socket locking screw: No.4-40		Spring terminal block (32 pins)	
	Output points	16points(2points/connector)		16points		16 points (2 points × 8 blocks)	
	Maximum load current	0.3A per point 1.8A per unit					
	Defensive function	Built-in short circuit protection circuit					
Applicable wire		-		-		0.08~1.5mm ² (AWG16~28)	
Consumption current		Below 50mA					
Levels of protection		IP67 Bus valve island connection		IP40 Bus valve island connection			
Standard		CE/UL					
Weight		390g					

Analog Input Module -8AI



Model		8AI	
Input specification	Input format	Voltage	Current
	Input connector	M12 (5-pin) socket	
	Input channel count	2 channels (1 channel per connector)	
	Supply voltage	24V DC	
	Maximum supply current	Total current: 1.8A (maximum 0.5A per connector)	
	Defensive function	Built-in short circuit protection circuit	
	Input signal range	14-bit resolution	-10V ~ +10V
	Maximum rated input signal	±15V	-20mA ~ 20mA
	Input impedance	100kΩ	50Ω
Consumption current		Below 70mA	
Levels of protection		IP67 (when connected to the bus valve island)	
Standard		CE/UL	
Weight		390g	

Analog Output Module -8AO



Model		8AO	
Output specification	Output format	Voltage	Current
	Output connector	M12 (5-pin) socket	
	Output channel count	2 channels (1 channel per connector)	
	Supply voltage	24V DC	
	Maximum supply current	Total current: 1.8A (maximum 0.5A per connector)	
	Defensive function	Built-in short circuit protection circuit	
	Output signal range	12-bit resolution	0~10V
	Load impedance	Above1kΩ	0~20mA
	Load impedance	Above1kΩ	Below600Ω
Levels of protection		IP67 (when connected to the bus valve island)	
Standard		CE/UL	
Weight		390g	

► Order Data-Electrical Module

Order Data-SVTL	Description	Order Number
	PROFINET M12*2	168201 VTX-V1S2-PN-L
	EtherNet/IP M12*2	168202 VTX-V1S2-EP-L
	EtherCAT M12*2	168203 VTX-V1S2-EC-L
	IO-Link	168204 VTX-V1S2-OL-L
	Multipole Sub-D	168205 VTX-V1S2-MP-L
	CC-Link	168206 VTX-V1S2-CC-L
	PROFIBUS-DP	168207 VTX-V1S2-DP-L
	DeviceNet	168208 VTX-V1S2-DN-L
	DI 16module M12*8	530101 VTI-V1S2-D-L
	DI 16module M8*8	530103 VTI-V1S2-D-L-M8
	DI-MJ 16 module M12*8	580101 VTI-V1S2-D-L-MJ
	DO 16 module M12*8	540101 VTO-V1S2-D-L
	NDI 16 module M12*8	550101 VTNI-V1S2-D-L
	DO 16 module Sub-D 25针	540102 VTO-V1S2-D-L-MP
	AI 8 module M12*8	560101 VTAI-V1S2-D-L
	AO 8 module M12*8	570101 VTAO-V1S2-D-L

► Valve Plate Accessories

Power Connector

	
Model	Model
VTCB-7/8-F05T-0050	7/8-F05T
Order number 720202	Order number 720203

Industrial Ethernet cable

			
Model	Model	Model	Model
VTCB-D-D4P-12M-12M-0050	VTCB-D-D4P-12M-OP-0050	VTCB-D-D4P-12M-RJ-0050	VTCB-RJ-RJ-0050
Order number 720210	Order number 720212	Order number 720214	Order number 720260

IO Connection Cable and Connector

				
Model	Model	Model	Model	Model
VTCB-A-A4P-12M-12F-0050	VTCB-A-A4P-12DF-OP-0050	VTCB-A-A4P-12DM-OP-0050	M12-M05T	M12-F05T
Order number 720219	Order number 720221	Order number 720223	Order number 720224	Order number 720225

				
Model	Model	Model	Model	Model
VTCB-M8-M03T-0050	VTCB-M8-M04T-0050	M8-M03T	M8-M04T	VTCB-D-SUB25F-0050
Order number 720254	Order number 720248	Order number 720245	Order number 720243	Order number 720229

Warning

This product is only suitable for industrial compressed air systems. Do not use these products if the pressure and temperature exceed the values listed in the "Technical parameters".

In non-industrial applications, life support systems or other applications not specified in the technical specifications, if a fluid other than specified is to be used, consult Pliem in advance.

In fluid power systems, components may fail through misuse, aging, or malfunction in various ways. System designers must consider failure modes of all components used in these systems and provide adequate protection against personal injury or equipment damage when such failures occur. If sufficient protective measures are not available, system designers must include clear warnings for end-users in the systems user manual. Both system designers and end-users should carefully review the special warnings provided in the product documentation.