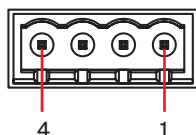


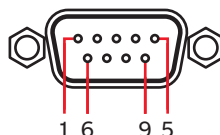
Connector sheet

Spirit^{IT} Flow-X series

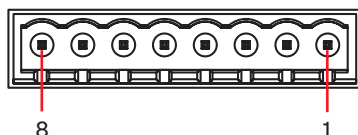
4 Pin power terminal



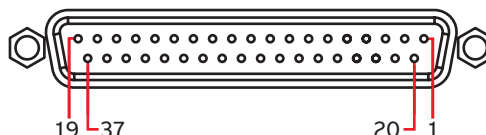
D-SUB 9 connector (male)



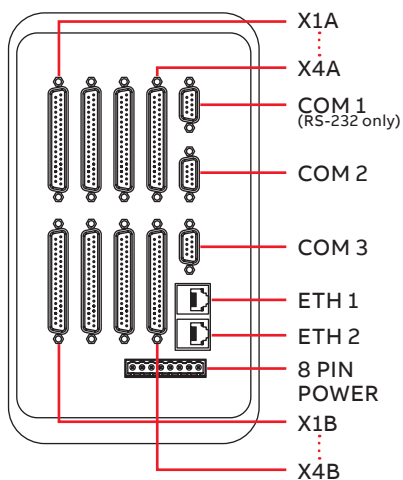
8 Pin power terminal



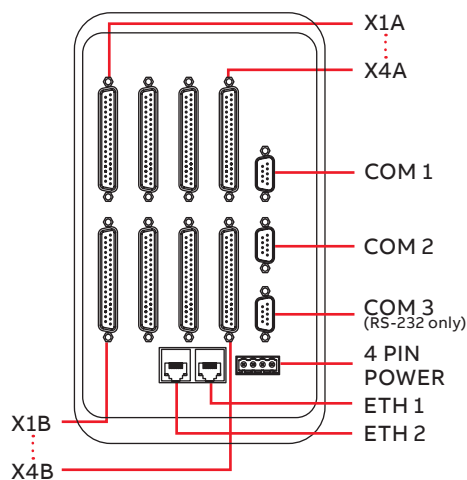
D-SUB 37 connector (female)



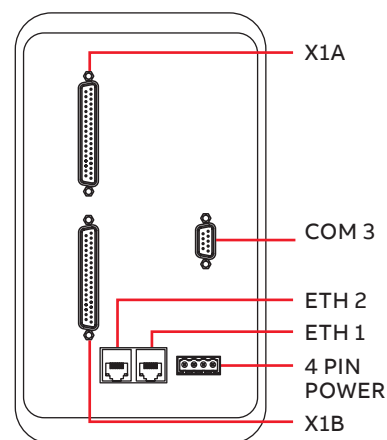
Flow-X/P v1



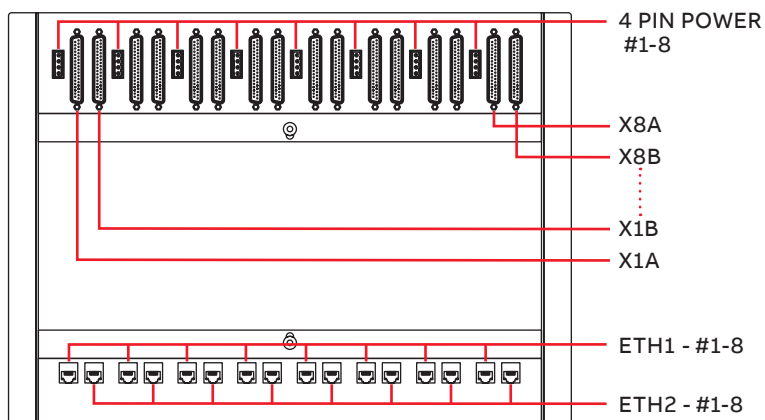
Flow-X/P v2



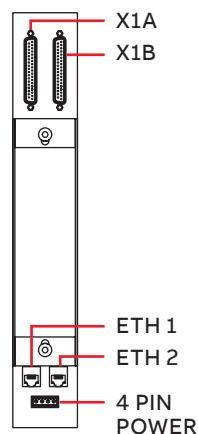
Flow-X/C



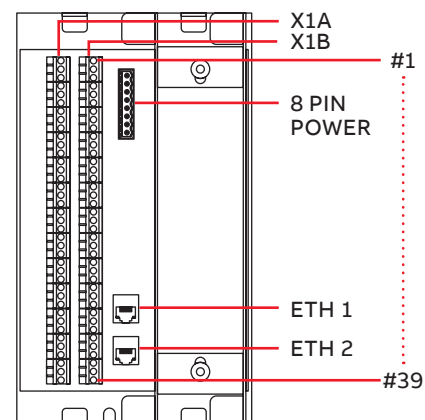
Flow-X/R



Flow-X/K



Flow-X/S



Power supply

4 Pin terminal

Flow-X/P, Flow-X/C, Flow-X/R, Flow-X/K

Pin	Description	
1	24V Primary	+1
2	24V Secondary	+2
3	0V	-
4	0V	-

8 Pin terminal

Flow-X/S

Pin	Description	
1	24V Primary	+1
2	24V Primary	+1
3	24V Secondary	+2
4	24V Secondary	+2
5	0V	-
6	0V	-
7	0V	-
8	0V	-

Screw terminals

Connector A (X1A)

Flow-X/S

Pin	Description
1	24V out
2	0V, Digital common
3	Digital 1
4	0V, Digital common
5	Digital 2
6	0V, Digital common
7	Digital 3
8	0V, Digital common
9	Digital 4
10	0V, Digital common
11	Digital 5
12	0V, Digital common
13	Digital 6
14	0V, Digital common
15	Digital 7
16	0V, Digital common
17	Digital 8
18	0V, Digital common
19	24V out
20	0V, Digital common
21	Digital 9
22	0V, Digital common
23	Digital 10
24	0V, Digital common
25	Digital 11
26	0V, Digital common
27	Digital 12
28	0V, Digital common
29	Digital 13
30	0V, Digital common
31	Digital 14
32	0V, Digital common
33	Digital 15
34	0V, Digital common
35	Digital 16
36	0V, Digital common
37	24V out
38	0V, Digital common
39	24V out

Connector B (X1B)

Flow-X/S

Pin	Description
1	PRT 1 power +
2	PRT 1 signal +
3	PRT 1 signal -
4	PRT 1 power -
5	Analog input common
6	PRT 2 power +
7	PRT 2 signal +
8	PRT 2 signal -
9	PRT 2 power -
10	Analog input common
11	Analog input 1
12	Analog input common
13	Analog input 2
14	Analog input common
15	Analog input 3
16	Analog input common
17	Analog input 4
18	Analog input common
19	Analog input 5
20	Analog input common
21	Analog input 6
22	Analog input common
23	Analog output 1
24	Analog output common
25	Analog output 2
26	Analog output common
27	Analog output 3
28	Analog output common
29	Analog output 4
30	Analog output common
31	0V, Digital common
32	COM1 — Sig + Tx + *
33	COM1 Tx Sig - Tx - *
34	COM1 — — Rx - *
35	COM1 Rx — Rx + *
36	COM2 — Sig + Tx + *
37	COM2 Tx Sig - Tx - *
38	COM2 — — Rx - *
39	COM2 Rx — Rx + *

* RS-232 | RS-485 2 wire | RS-485 4 wire

D-SUB 37 connector

Connector A

Flow-X/P, Flow-X/C, Flow-X/R, Flow-X/K

Pin	Description
1	COM1 — Sig + Tx + *
2	COM1 Tx Sig - Tx - *
3	COM1 — — Rx - *
4	COM1 Rx — Rx + *
5	24V out
6	Digital 1
7	0V, Digital common
8	Digital 2
9	0V, Digital common
10	Digital 3
11	0V, Digital common
12	Analog output 1
13	Analog output common
14	Analog input common
15	PRT 1 power +
16	PRT 1 signal +
17	PRT 1 signal -
18	PRT 1 power -
19	Analog input common
20	Digital 4
21	0V, Digital common
22	Digital 5
23	0V, Digital common
24	Digital 6
25	0V, Digital common
26	Digital 7
27	0V, Digital common
28	Digital 8
29	0V, Digital common
30	Analog output 2
31	Analog output common
32	Analog input 1
33	Analog input common
34	Analog input 2
35	Analog input common
36	Analog input 3
37	Analog input common

* RS-232 | RS-485 2 wire | RS-485 4 wire

Connector B

Flow-X/P, Flow-X/C, Flow-X/R, Flow-X/K

Pin	Description
1	COM2 — Sig + Tx + *
2	COM2 Tx Sig - Tx - *
3	COM2 — — Rx - *
4	COM2 Rx — Rx + *
5	24V out
6	Digital 9
7	0V, Digital common
8	Digital 10
9	0V, Digital common
10	Digital 11
11	0V, Digital common
12	Analog output 3
13	Analog output common
14	Analog input common
15	PRT 2 power +
16	PRT 2 signal +
17	PRT 2 signal -
18	PRT 2 power -
19	Analog input common
20	Digital 12
21	0V, Digital common
22	Digital 13
23	0V, Digital common
24	Digital 14
25	0V, Digital common
26	Digital 15
27	0V, Digital common
28	Digital 16
29	0V, Digital common
30	Analog output 4
31	Analog output common
32	Analog input 4
33	Analog input common
34	Analog input 5
35	Analog input common
36	Analog input 6
37	Analog input common

* RS-232 | RS-485 2 wire | RS-485 4 wire

D-SUB 9 connector

RS-232/485

Flow-X/P COM1 and COM2

Pin	Description
1	— — Rx - *
2	Rx — Rx + *
3	Tx Sig - Tx - *
4	— Sig + Tx + *
5	0V
6	
7	
8	
9	

* RS232 | RS485 2 w. | RS485 4 w.

RS-232/485

Flow-X/C COM3

Pin	Description
1	
2	Rx — Rx + *
3	Tx Sig - Tx - *
4	
5	0V
6	
7	RTS Sig + Tx + *
8	CTS — Rx - *
9	

* RS232 | RS485 2 w. | RS485 4 w.

RS-232 only

Flow-X/P COM3

Pin	Descr.
1	
2	Rx
3	Tx
4	
5	0V
6	
7	RTS
8	CTS
9	