FnIO M – Series

M750F/M710F

M750F (Common Module, 0Vdc, ID Type)
M710F (Common Module, 0Vdc, None Type)

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History

REV.	PAGES	REMARKS	DATE	Editor
1.00			2023/06/08	CW SEO

1. Environment Specification

Environmental Specification	
Operation Temperature	-25℃~60℃
UL Temperature	-25℃~60℃
Storage Temperature	-40℃~85℃
Relative Humidity	5% ~ 90% Non-condensing
Mounting	DIN Rail
General Specification	
Shock Operating	IEC 60068-2-27
Vibration Resistance	Based on IEC 60068-2-6 DNVGL-CG-0039 : Vibration Class B, 4g
Industrial Emissions	EN61000-6-4/All : 2011
Industrial Immunity	EN 61000-6-2 : 2005
Installation Position	Vertical and horizontal installation is available.
Product Certifications	UL, ATEX, CE, UKCA

2. M7x0F(Common Module, 0Vdc)

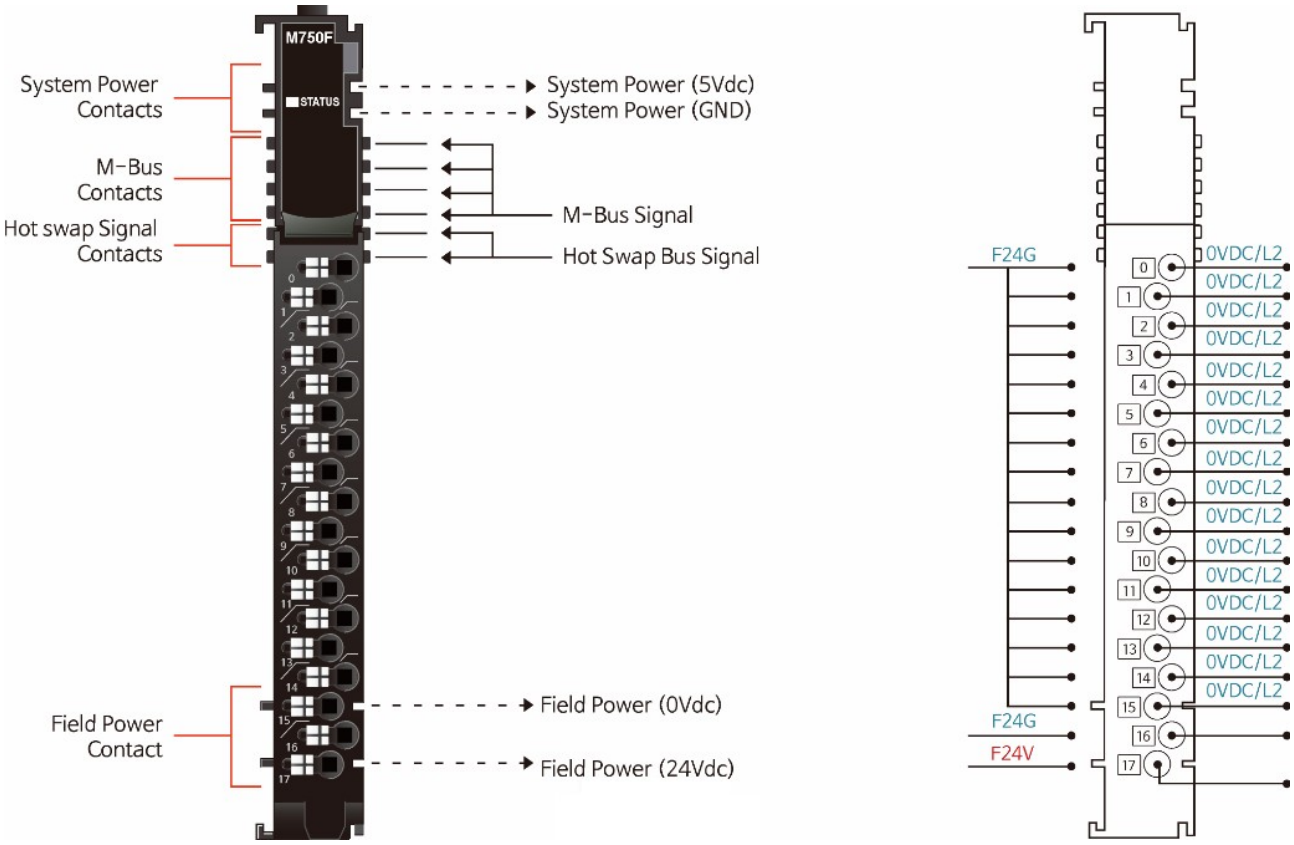
2.1. M7x0F Specification

Items	Specification
Technical data	
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power voltage	24Vdc nominal
Field power contacts current	Max. 10A Operating temperature -25℃~50℃ : Max. 10A 50℃~60℃ : Max. 9A
Indicator	1 Green Internal Bus Status
General specification	
System power dissipation	Max. 30mA @ 5Vdc (M750F only)
Single Wiring	0.205㎟ - 1.3㎟ (24-16 AWG)
Torque	0.8Nm(7 lb-in)
Weight	72g
Module size	12mm x 110mm x 75mm
Hot swap	Possible
Environment condition	**Refer to '1. Environment Specification'**

* Class 2, adjacent to voltage rating (30Vmax)

2.2. M7x0F Wiring Diagram

2.3. M750F Wiring Diagram(ID Type)

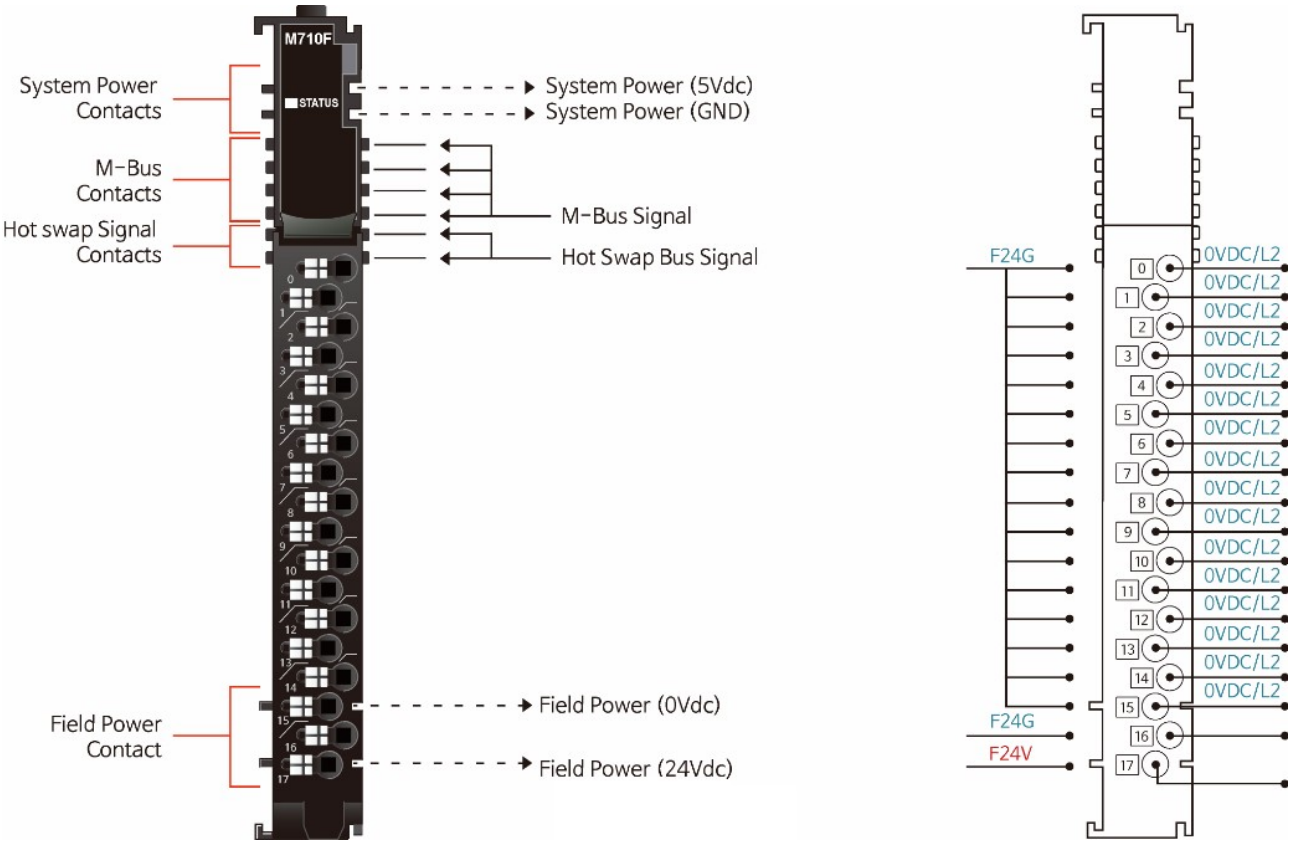


Pin No.	Signal Description
0	0VDC/L2
1	0VDC/L2
2	0VDC/L2
3	0VDC/L2
4	0VDC/L2
5	0VDC/L2
6	0VDC/L2
7	0VDC/L2
8	0VDC/L2
9	0VDC/L2
10	0VDC/L2
11	0VDC/L2
12	0VDC/L2
13	0VDC/L2
14	0VDC/L2
15	0VDC/L2
16	Field Power 24G
17	Field Power 24V

Series No	Through Air	Over Surface	CTI
RTB18C	1.5mm	1.5mm	175≤CTI≤400

Spacings : The follwing minimum spcing in inches(millimeters) shall be maintained between uninsulated live parts of opposite polarity; and beween an uninsulated live part and a grounded Part including any mounting surface or exposed metal part.

2.3.1. M710F Wiring Diagram(None ID Type)



Pin No.	Signal Description
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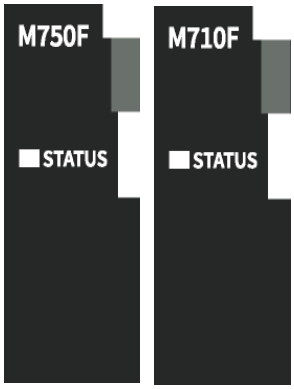
Spacings : The follwing minimum spcing in inches(millimeters) shall be maintained between uninsulated live parts of opposite polarity; and beween an uninsulated live part and a grounded Part including any mounting surface or exposed metal part.

2.4. M7x0F LED Indicator

2.4.1. LED Indicator



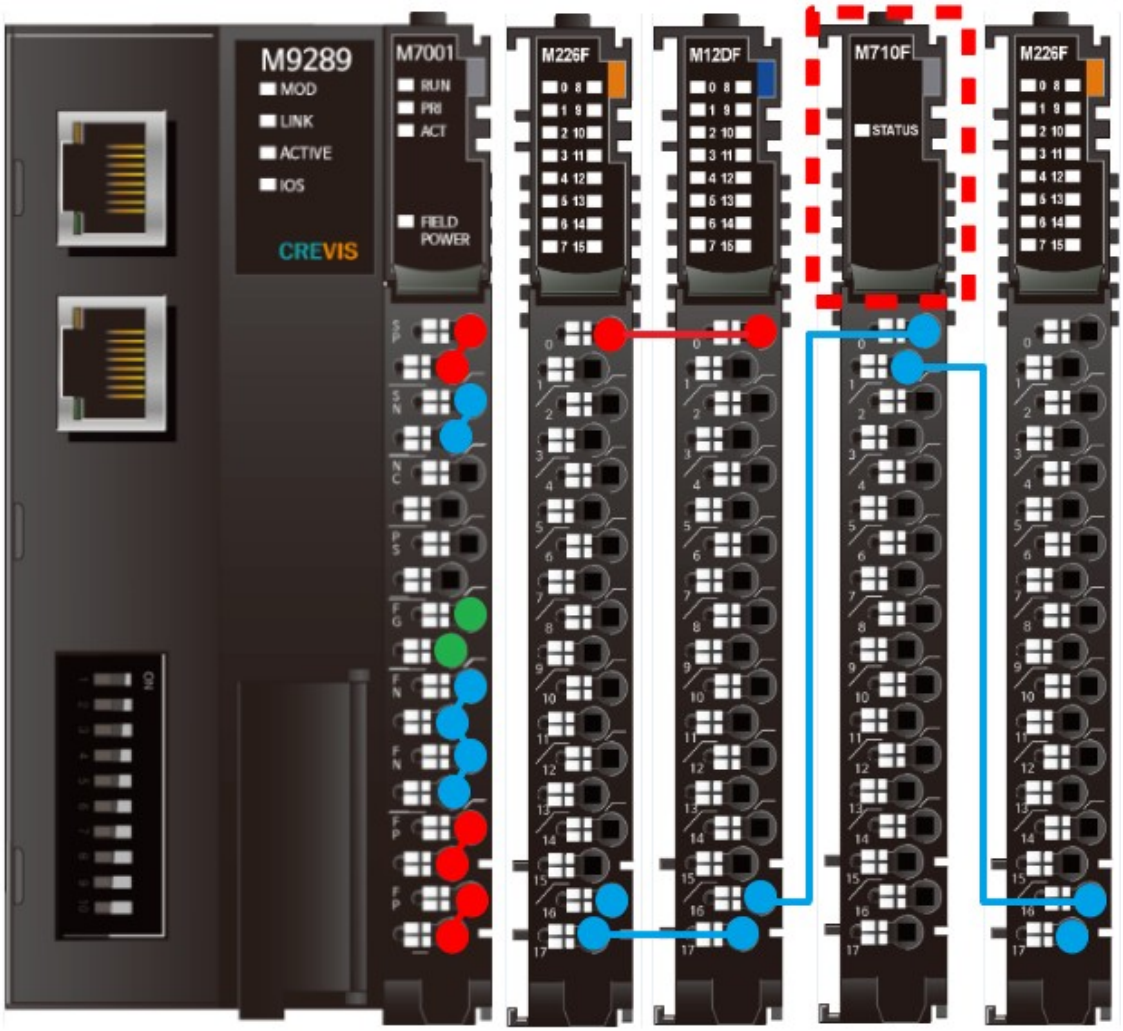
LED No.	LED Function / Description	LED Color
Status	Internal Bus Status	Green

2.4.2. Status LED

Status	LED	To indicate
Normal signal.	Green	The unit is operating in normal condition. (After normal initialization of MBUS communication, this LED maintains ON status.)
Absence of network adapter	Off	Network adapter is not connected to this module.

2.5. Example

The M710F Common 0Vdc



Color	System Power	Field Power
Hole Number	0, 1	14, 15, 16, 17
Hole Number	2, 3	10, 11, 12, 13
Hole Number	8, 9 (F.G)	