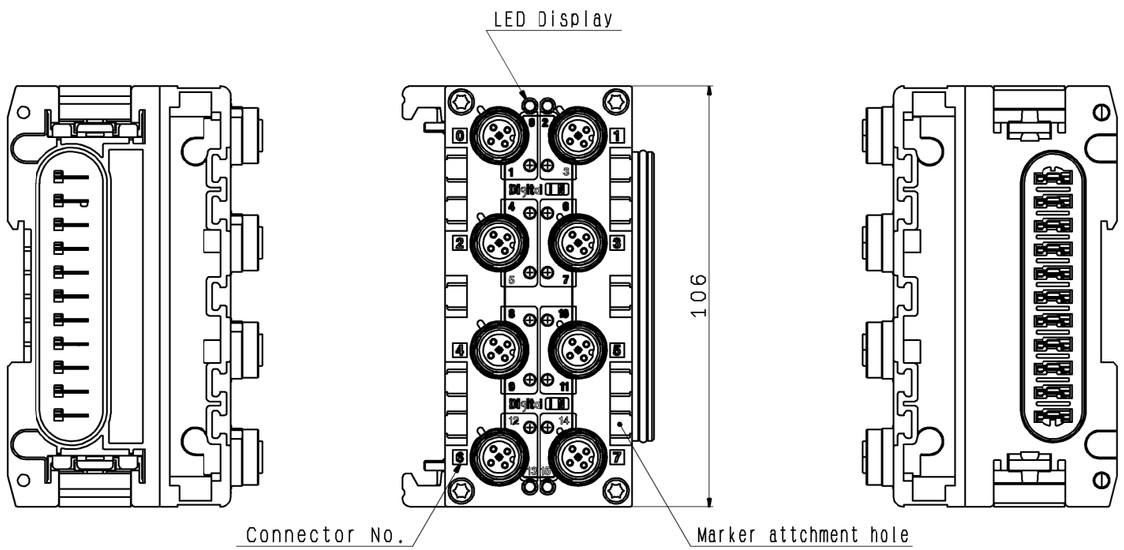
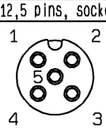
DWG NO EX600-DXPD-X16 (C)

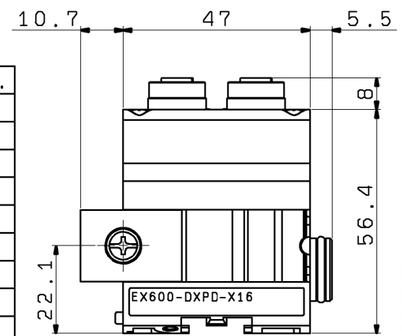


Input signal layout

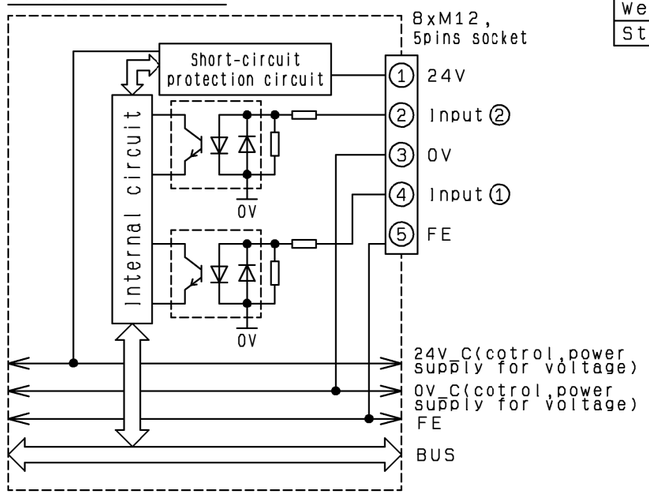
Input signal No.	LED Display	Connector No.	Pin No.
0	0	0	4
1	1		2
2	2	1	4
3	3		2
4	4	2	4
5	5		2
6	6	3	4
7	7		2
8	8	4	4
9	9		2
10	10	5	4
11	11		2
12	12	6	4
13	13		2
14	14	7	4
15	15		2

Input connector

Pin No.	Description	M12,5 pins, socket
1	24V	
2	Input②	
3	0V	
4	Input①	
5	FE	



Internal circuit



Electric specifications

Item	Description
Sensor supply rated voltage	24VDC(dependent on 24V_C)
Max. sensor supply current	0.5A/connector
	2A/unit
Internal current consumption at 24V	70mA or less
Current protection	Short-circuit protection

Input specifications

Item	Description
Input channels	16 channels
Input type	PNP
Connector type	8 M12 sockets, 5 pins
Input resistance	2.7kΩ
OFF voltage/OFF current	5V or less/1mA or less
ON voltage/ON current	17V or more/5mA or more

LED display

Display	Indicator light condition	Status
0 to 15	Light is turned off	Power is OFF or input signal is OFF.
	Green light is turned on	Input signal is ON.
	Red light blinks	Input signal ON/OFF counts exceeded the set value.
	Red light is turned on	Power supply short-circuit

General specifications

Item	Description
Enclosure	IP67(combination with valve manifold)
Ambient temperature	Operating temperature:-10 to +50℃
	Storage:-20 to +60℃
Ambient humidity	35%~85%RH(no dew concentration)
Vibration resistance	10Hz~57Hz(constant amplitude)0.75mm P-P 57Hz~150Hz(constant acceleration)49m/s² X,Y and Z directions for 2 hours each. (without energizing)
Impact resistance	147m/s² in directions for 3 times each. (without energizing)
Weight	340g
Standards	UL(CSA),CE marked

Special specification

1.Compatible with EX600-SEN5-X16.

*Unless otherwise noted along with a separate contract or agreement within the Product Specifications, the safety instructions specified in the product catalog or the operation manual are applied. Please contact your local SMC Sales office for further details.

REV	QTY	DESCRIPTION	DATE	PREPARED	REV NO
0	-	First Edition	2016-11-10	S.Gouto	-

TOLERANCES JIS B 0405					
RANGE(mm)	GRADE f ±	m ±	c ±		
0.5≦D≦3	0.05	0.1	0.2		
3<D≦6	0.05	0.1	0.3		
6<D≦30	0.1	0.2	0.5		
30<D≦120	0.15	0.3	0.8		
120<D≦400	0.2	0.5	1.2		
400<D≦1000	0.3	0.8	2		
1000<D≦2000	0.5	1.2	3		

DRAWN	E.Matsumoto	
DATE	2016-11-10	
DESIGNED	S.Gouto	
DATE	2016-11-10	
CHECKED	M.Okamoto	
DATE	2016-11-24	
APPROVED	M.Seo	
DATE	2016-11-25	

SCALE 1 : 1

FINISH / PAINT / MASS / PACKING / MATERIAL / MATERIAL SIZE

MODEL QTY

THIRD ANGLE

DWG NAME: Digital input unit

DWG NO: (C) EX600-DXPD-X16

REVISION: G

DWG NAME | DWG REC | DWG ID BA48393900

SMC Corporation

FINISH:表面処理 / PAINT:塗装 / MASS:質量
PACKING:包装区分 / MATERIAL:材質
MATERIAL SIZE:材料寸法