

# Sensor Connector Cables

# CC



## SALIENT FEATURES

- ◆ IP-67 Rated
- ◆ LED Indication
- ◆ Modular Design
- ◆ High Quality PU Cable

## Model Number Legend

**CC** - □ □ □ □ - □

1    2   3   4   5   6

### 1. Series

CC

### 2. Size

M8: M8 Connector

M12: M12 Connector

### 3. Contacts

3: 3 Contacts

4: 4 Contacts

5: 5 Contacts

### 4. Type

M: Male Plug

F: Female Socket

### 5. Connector

S: Straight

SN: Straight with LED indicator - NPN

SP: Straight with LED indicator - PNP

L: Right angle

LN: Right angle with LED indicator - NPN

LP: Right angle with LED indicator - PNP

### 6. Length

2M: 2m Cable

5M: 5m Cable

### Example:

CC-M84FS-2M

CC Series - M8, 4 Contacts, Female, Straight connector - 2m long Cable

**NOTE:** Contact us for models not shown in catalogue.

## Ratings and Specifications

Size	M8 Connector		M12 Connector	
Models	CC-M8_F_-_	CC-M8_M_-_	CC-M12_F_-_	CC-M12_M_-_
Type	Female Socket	Male Plug	Female Socket	Male Plug
Connector	Straight; Right angle		Straight; Right angle	
No. of Contacts	3, 4	3, 4	3, 4, 5	3, 4, 5
Rated Current	3 A		4 A	
Rated Voltage	60 VAC/ DC		3, 4 Pin: 250 VAC/ DC; 5 Pin: 60 VAC/ DC	
Contact Material	0.4µm Gold plated Brass			
Pin Block	PA Resin		PU	
Cover	PP		PU	
Thread Bracket/ Shell	Brass with nickel plating		Brass with nickel plating	
Cable	24 AWG, PUR Cable		22 AWG, PUR Cable	
Cable Tensile Strength	40 N			
Ambient Temperature	-20° ~ 80° C			
Protection	IP 67			

## LED Indication Type

Size	M12 Connector			
Models	CC-M123FSN-__	CC-M123FSP-__	CC-M123FLN-__	CC-M123FLP-__
Type	LED Type - Female Socket			
Connector	Straight		Right angle	
No. of Contacts	3			
Rated Current	4 A			
Rated Voltage	250 VAC/ DC			
Contact Material	0.4µm Gold plated Brass			
Pin Block	PU			
Cover	PU			
Thread Bracket/ Shell	Brass with nickel plating			
Cable	22 AWG, PUR Cable			
Cable Tensile Strength	40 N			
Circuit	NPN	PNP	NPN	PNP
Indication	Power: Green LED; Operation: Yellow LED			
Ambient Temperature	-20° ~ 80° C			
Protection	IP 67			

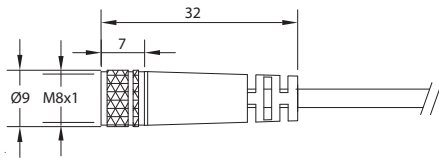
# Ordering Information

CC

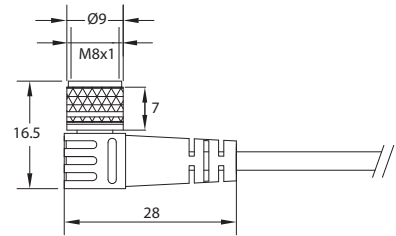
Connector Size	No. of Contacts	Type	Connection	Length	Indication	Model			
M8	3	Female Socket	Straight	2 Meter	-	CC-M83FS-2M			
				5 Meter		CC-M83FS-5M			
			Right Angle	2 Meter		CC-M83FL-2M			
				5 Meter		CC-M83FL-5M			
		Male Plug	Straight	2 Meter		CC-M83MS-2M			
				5 Meter		CC-M83MS-5M			
	4	Female Socket	Straight	2 Meter		CC-M84FS-2M			
				5 Meter		CC-M84FS-5M			
				Right Angle		2 Meter	CC-M84FL-2M		
			5 Meter			CC-M84FL-5M			
			Male Plug			Straight	2 Meter	CC-M84MS-2M	
				5 Meter			CC-M84MS-5M		
		-		-		2 Meter	CC-M123FS-2M		
						5 Meter	CC-M123FS-5M		
			3	Female Socket		Straight	2 Meter	NPN - LED	CC-M123FSN-2M
								PNP - LED	CC-M123FSP-2M
5 Meter	-	CC-M123FS-5M							
	NPN - LED	CC-M123FSN-5M							
Right Angle	2 Meter	-			CC-M123FL-2M				
		NPN - LED			CC-M123FLN-2M				
	5 Meter	PNP - LED			CC-M123FLP-2M				
		-			CC-M123FL-5M				
M12	4	Female Socket	Straight	2 Meter	NPN - LED	CC-M123FLN-2M			
					PNP - LED	CC-M123FLP-2M			
				5 Meter	-	CC-M123FL-5M			
			NPN - LED		CC-M123FLN-5M				
			PNP - LED		CC-M123FLP-5M				
			Male Plug	Straight	2 Meter	CC-M123MS-2M			
		5 Meter			CC-M123MS-5M				
		Right Angle		2 Meter	CC-M123ML-2M				
				5 Meter	CC-M123ML-5M				
		5	Female Socket	Straight	2 Meter	CC-M124FS-2M			
	5 Meter				CC-M124FS-5M				
	Right Angle			2 Meter	CC-M124FL-2M				
				5 Meter	CC-M124FL-5M				
	Male Plug		Straight	2 Meter	CC-M124MS-2M				
				5 Meter	CC-M124MS-5M				
			Right Angle	2 Meter	CC-M124ML-2M				
5 Meter				CC-M124ML-5M					
5	Female Socket	Straight	2 Meter	CC-M125FS-2M					
			5 Meter	CC-M125FS-5M					
			Right Angle	2 Meter	CC-M125FL-2M				
		5 Meter		CC-M125FL-5M					
		Male Plug		Straight	2 Meter	CC-M125MS-2M			
			5 Meter		CC-M125MS-5M				
	Right Angle		2 Meter	CC-M125ML-2M					
			5 Meter	CC-M125ML-5M					

# Dimension Drawing

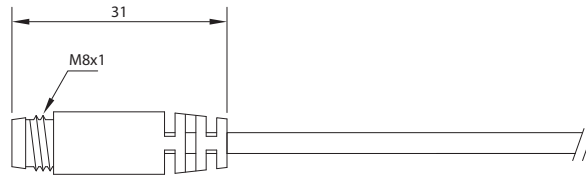
- ◆ CC-M83FS-□
- ◆ CC-M84FS-□



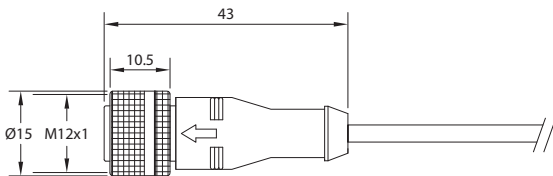
- ◆ CC-M83FL-□
- ◆ CC-M84FL-□



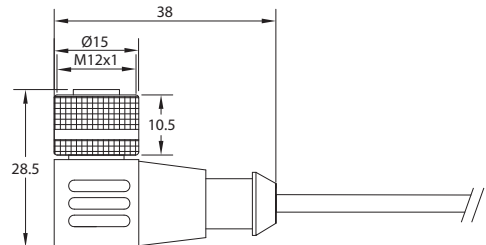
- ◆ CC-M83MS-□
- ◆ CC-M84MS-□



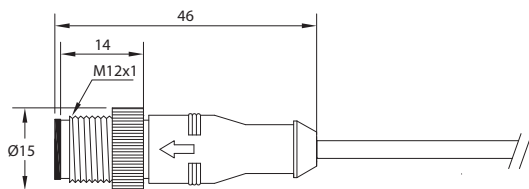
- ◆ CC-M123FS-□
- ◆ CC-M124FS-□
- ◆ CC-M125FS-□
- ◆ CC-M123FSN-□
- ◆ CC-M123FSP-□



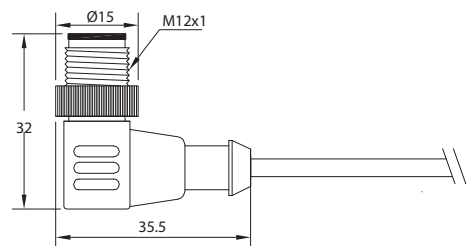
- ◆ CC-M123FL-□
- ◆ CC-M124FL-□
- ◆ CC-M125FL-□
- ◆ CC-M123FLN-□
- ◆ CC-M123FLP-□



- ◆ CC-M123MS-□
- ◆ CC-M124MS-□
- ◆ CC-M125MS-□

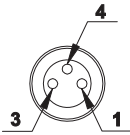


- ◆ CC-M123ML-□
- ◆ CC-M124ML-□
- ◆ CC-M125ML-□



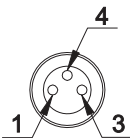
All dimensions are in mm

## • 3 Pin - M8 Female



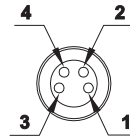
- 1: Brown
- 3: Blue
- 4: Black

## • 3 Pin - M8 Male



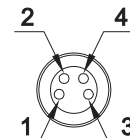
- 1: Brown
- 3: Blue
- 4: Black

## • 4 Pin - M8 Female



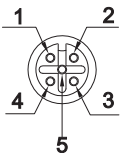
- 1: Brown
- 2: White
- 3: Blue
- 4: Black

## • 4 Pin - M8 Male



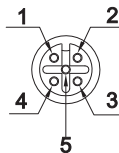
- 1: Brown
- 2: White
- 3: Blue
- 4: Black

## • 3 Pin - M12 Female



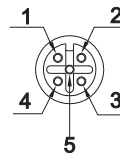
- 1: Brown
- 2: -- (No Connection)
- 3: Blue
- 4: Black
- 5: -- (No Connection)

## • 4 Pin - M12 Female



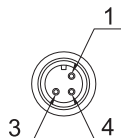
- 1: Brown
- 2: White
- 3: Blue
- 4: Black
- 5: -- (No Connection)

## • 5 Pin - M12 Female



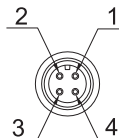
- 1: Brown
- 2: White
- 3: Blue
- 4: Black
- 5: Grey

## • 3 Pin - M12 Male



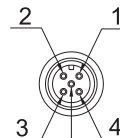
- 1: Brown
- 3: Blue
- 4: Black

## • 4 Pin - M12 Male



- 1: Brown
- 2: White
- 3: Blue
- 4: Black

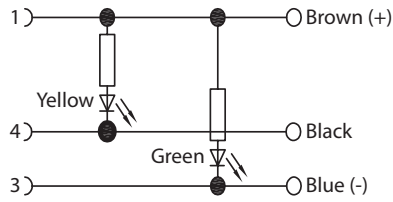
## • 5 Pin - M12 Male



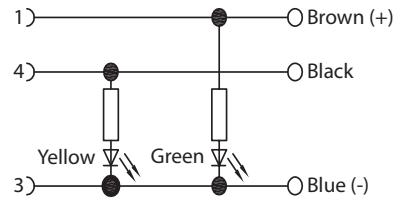
- 1: Brown
- 2: White
- 3: Blue
- 4: Black
- 5: Grey

# Internal Wiring Diagram

## NPN - LED Connector Models



## PNP - LED Connector Models



Exclusively Represented by:

Intech Systems Chennai Pvt Ltd  
 S-2, Guindy Industrial Estate  
 Chennai - 600 032. Ph: 4353 8888  
 Email: [info@intechchennai.com](mailto:info@intechchennai.com)

[www.inno.sg](http://www.inno.sg)

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