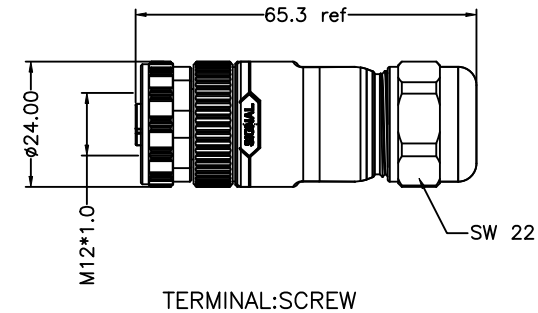
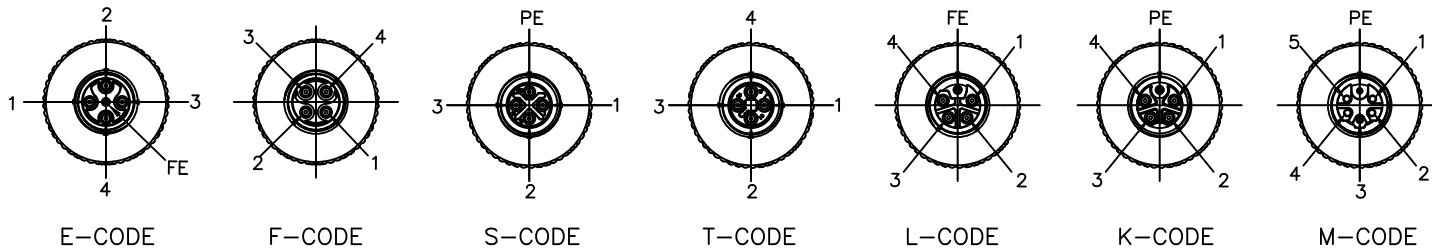
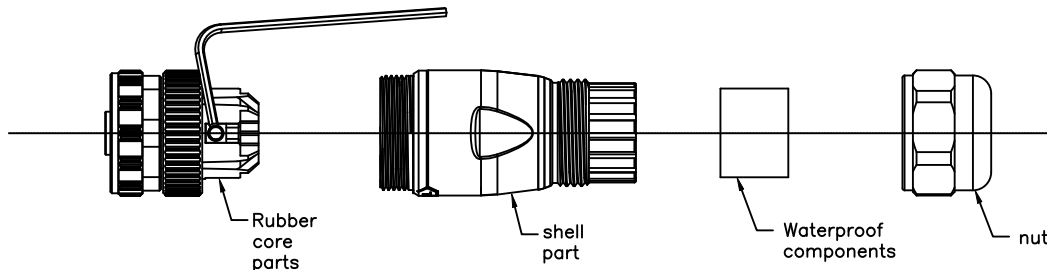


REV	DESCRIPTION	DATE	APPROVED
S0	CREATED DRAWING	2023/02/21	ZK
S1	DRAWING UPDATES	2024/06/25	CBT



Electrical character



Detailed Product Description:
 Waterproof connector rating is IP67
 They can not be used permanently under water
 Per ISO-20653,IEC60529

Insulation resistance: >100MΩ
 Contact resistance of connector ≤10mΩ
 Mechanical characteristics: mating / cycle >100cycle
 Operating temperature: -25°C ~ +85°C

Contact Pin: Copper alloy with gold-plated
 Insulation plastic: PA66

Cable peeling: (covering: 25mm, Conductor: 5mm)
 Cable OD: 8.0~12.0mm(2 types of waterproof hoses)

ALL MATERIALS ARE RoHS COMPLIANT

Part Number	CODE	Contacts	Function	Pin ϕ (mm)	Rated voltage		Rated current	Rated impulse voltage
					A/C	D/C		
121005-02-019	L		4+FE	1.5	63V	63V	16A	1.5KV
121305-02-006	K		4+PE	1.5	630V	630V	12A	6KV
121406-02-002	M		5+PE	1.0	630V	630V	8A	6KV
120504-02-009	S		3+PE	1.5	630V	630V	12A	6KV
120503-02-002	S		2+PE	1.5	630V	630V	12A	6KV
120604-02-009	T		4	1.5	63V	63V	12A	1.5KV
121105-02-002	E		4+FE	1.5	63V	63V	16A	1.5KV
121204-02-002	F		4	1.5	63V	63V	16A	1.5KV

SIGNAL® Shenzhen Signal Electronics Co., LTD	TITLE M12 FEMALE PLASTIC ASSEMBLY CONNECTOR	
	SGN NO	SEE TABLE
DRAWN BY	DATE	REV.
CHECKED BY	DATE	DWG NO
CHECKED BY	DATE	CUSTOMER
APPROVED BY	DATE	S1
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIGNAL COMPANY. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SIGNAL COMPANY IS PROHIBITED.		TOLERANCES ARE: DECIMALES ANGLES .x ±0.5 x.° ±2.0° .xx ±0.20 .x.° ±1.0°
		THIRD ANGLE PROJECTION SIZE: A4 UNITS: mm SCALE: SHEET: 1 OF