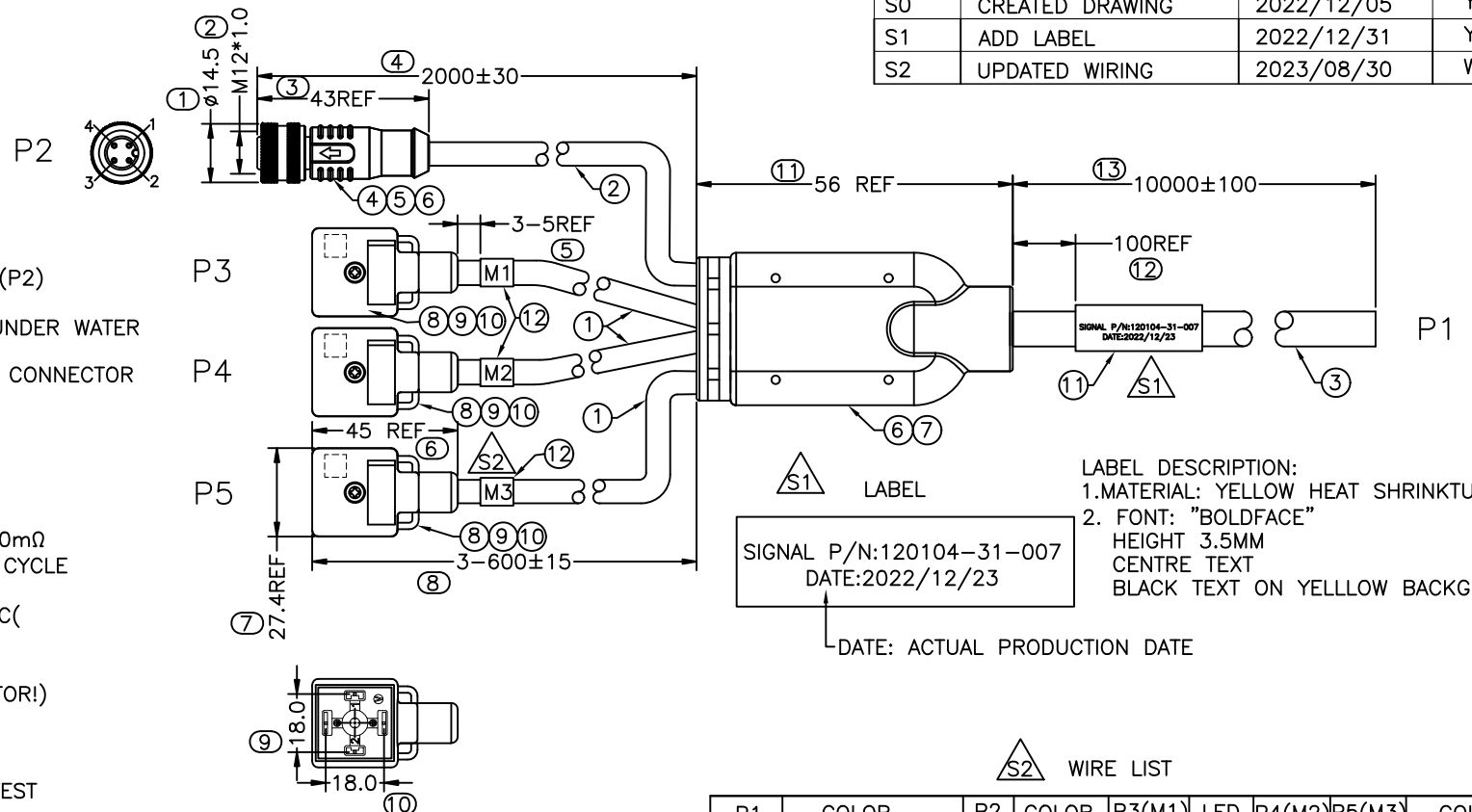


PROJECT NO:  
SGNYD2212005

REV	DESCRIPTION	DATE	APPROVED
S0	CREATED DRAWING	2022/12/05	YZH
S1	ADD LABEL	2022/12/31	YZH
S2	UPDATED WIRING	2023/08/30	W N



DETAILED PRODUCT DESCRIPTION:  
WATERPROOF CONNECTOR RATING IS IP67(P2)  
P2,P3,P4,SR(IP20)  
THEY CAN NOT BE USED PERMANENTLY UNDER WATER  
PER ISO-20653,IEC60529  
DESTRUCTIVE WITHSTAND FORCE BETWEEN CONNECTOR  
AND OVERMOLD EXCEEDS 5.0KGF.

P2 CONNECTOR ELECTRICAL CHARACTER  
RATING VOLTAGE: 250V  
INSULATION RESISTANCE: >100MΩ  
RATING CURRENT: 4A  
CONTACT RESISTANCE OF CONNECTOR ≤10mΩ  
MECHANICAL CHARACTERISTICS: MATING / CYCLE  
>100CYCLES  
OPERATING TEMPERATURE: -25°C ~ +80°C  
(DEPENDING ON CABLE QUALITY)  
TIGHTENING TORQUE (RANGE) 0.4~NM.6  
(NOTE MAX. TORQUE OF MATING CONNECTOR!)

TESTING CONDITIONS:  
1. VOLTAGE: 300V DC/0.1S  
2. 100% OPEN AND SHORT ELECTRICAL TEST

\*ALL MATERIALS ARE RoHS COMPLIANT\*

LABEL DESCRIPTION:  
1.MATERIAL: YELLOW HEAT SHRINKTUBE  
2. FONT: "BOLDFACE"  
HEIGHT 3.5MM  
CENTRE TEXT  
BLACK TEXT ON YELLOW BACKGROUND

SIGNAL P/N:120104-31-007  
DATE:2022/12/23

DATE: ACTUAL PRODUCTION DATE

S2 WIRE LIST

P1	COLOR	P2	COLOR	P3(M1)	LED	P4(M2)	P5(M3)	COLOR	
OPEN	BROWN(18AWG)	1	BROWN						
	BLUE(18AWG)	3	BLUE	2		2	2	BLACK+WHITE	
	GREY(22AWG)	4	BLACK						
	WHITE(22AWG)			1					
	GREEN(22AWG)						1		BLACK
	YELLOW(22AWG)							1	

ITEM	PART NO.	SPECIFICATION	Q'TY	UNIT
⑫	HT00028	WHITE HEAT SHRINK TUBE $\phi$ 7.0mm L=10MM "M1" "M2" "M3"	3	PCS
⑪	HT00137	YELLOW HEAT SHRINK TUBE $\phi$ 8.0mm L=50MM	1	PCS
⑩	PL00096	BLACK AND GREY COLOUR POWDER (28899)	0.06	g
⑨	PL00070	TPU TRANSPARENT COLOUR	36	g
⑧	N/A	SOLENOID VALVE (BLACK) WITH LED 4 HOLD	3	SET
⑦	PL00007	HD-PE	6	g
⑥	PL00004	BLACK TPU 105°C	15	g
⑤	PL00106	AMBER TRANSPARENT LOW-PRESSURE INJECTION MOLDING COMPOUND	3	g
④	120104-21-001	M12 A CODING 4PIN FEMALE CONNECTOR	1	SET
③	YDCA0622	18AWG*3C+22AWG*4C JACKET BLACK PUR OD6.2MM	1	PCS
②	CA00015	4*0.34mm <sup>2</sup> JACKET BLACK PUR OD5.8MM	1	PCS
①	CA01343	UL20549 18AWG*3C JACKET GREY TPU OD6.0MM	1	PCS

**SIGNAL**  
Shenzhen Signal Electronics co.,Ltd

TITLE: M12 A CODING 4P/F TO 4PIN ELECTROMAGNETIC VALVE\*3 PUR CABLE

DRAWN BY	DATE	SGN NO	120104-31-007	REV.
CHECKED BY	DATE	DWG NO	SGNYD2212005-2-546	S2
CHECKED BY	DATE	CUSTOMER		
APPROVED BY	DATE	TOLERANCES ARE:	THIRD ANGLE PROJECTION	
<small>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.</small>		DECIMALES	ANGLES	SIZE: A4
		.x $\pm$ 0.5	x.' $\pm$ 2.0'	UNITS: mm
		.xx $\pm$ 0.20	.x' $\pm$ 1.0'	SCALE: 1:1
				SHEET: 1 OF 1