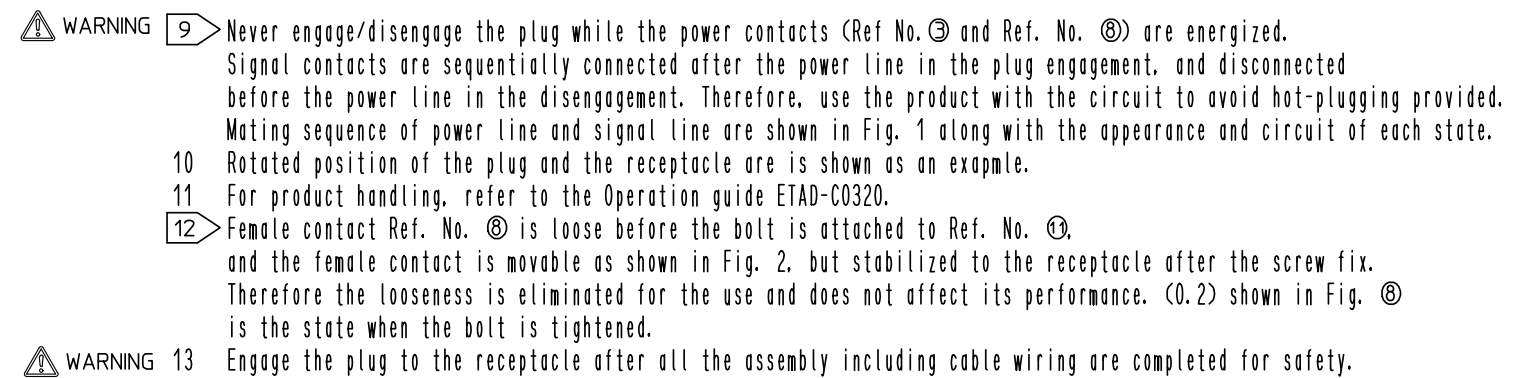
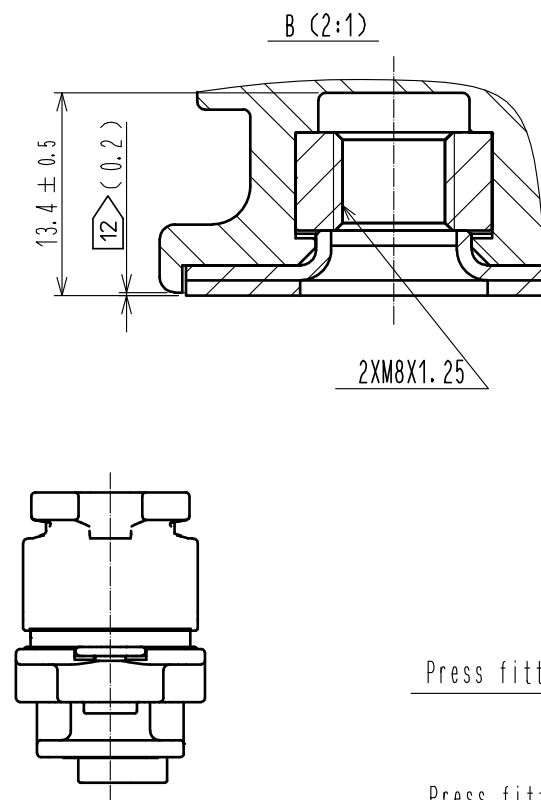




- Notes
- 1 Make sure that the O-ring is NOT twisting and properly assembled during this mounting process.
 - 2 Use ring terminal M8 for the power contact.
The recommended tightening torque of Ref No. ⑩ and ⑪ is 6.0 to 6.5 N·m
Be sure to tighten Ref No. ⑩ with the panel installed as shown in Fig-1.
Do not tighten the bolt by itself during inspection.
Recommended bolt size are as follows.
 - Ref No. ⑩ : Screw size M8, Pitch 1.25 Length 10 to 12 mm.
(For panel thickness, Refer to the next page Fig.1)
 - Ref No. ⑪ : Screw size M8, Pitch 1.25 Length 12 to 15 mm.(Assume ring terminal thickness $t = 2.5$ to 3 .
When using ring terminal with different thickness, choose appropriate bolt size per the thickness.)
To prevent loosening, use LOCTITE 243, HENKEL JAPAN or equivalent.
 - 3 Mating connector at signal contact side is as follows.

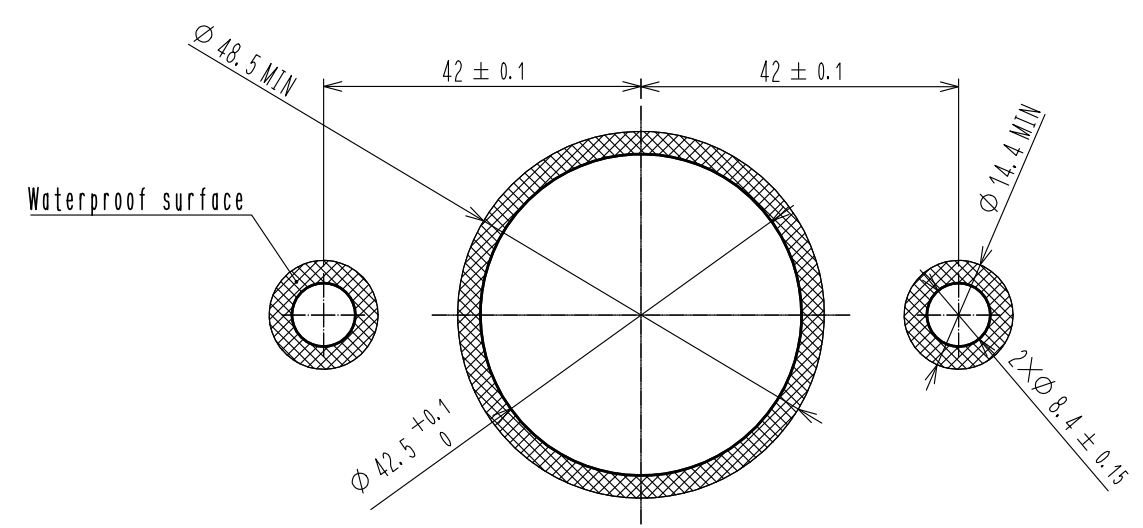
Connector	GT8E-2S-2C	CL758-0030-6-00	
Crimp contact	GT8E-2022SCF(C01)	CL758-0033-4-01	For AWG#20~22 Reel contact
	GT8E-2428SCF(C01)	CL758-0055-7-01	For AWG#24~28 Reel contact
 - 4 Fig.1 shows the recommended panel cut out dimensions.
Roughness on the panel surface indicated by  for water sealing must be $\sqrt{Rz} \leq 3.2$
 - 5 This product is delivered with the plug and receptacle unmated as shown in Fig. 4.
 - 6 Appearance of each of the plug and receptacle are shown in Fig.2
 - 7 Lot No. is marked in one the indicated part shown.
 - 8 Make sure the locking system firmly completed before using the this product.
Fig.3 indicates rotated position of the plug and the receptacle with locking completed.
Also, 'LOCK' marking on the receptacle can be seen from the plug hole.
- WARNING

6	Hydrogenation acrylonitrile butadiene rubber	(Black)	12	Polybutylene terephthalate	(Black)
5	Polybutylene terephthalate	(Orange)	11	Brass	Nickel plating
4	Copper alloy	Gold plating 0.2μm MIN	10	Brass	Nickel plating
3	Copper	Silver plating 3μm MIN	9	Hydrogenation acrylonitrile butadiene rubber	(Black)
2	Hydrogenation acrylonitrile butadiene rubber	(Black)	8	Copper alloy	Silver plating 3μm MIN
1	Polybutylene terephthalate	(Orange)	7	Copper alloy	Gold plating 0.2μm MIN
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS

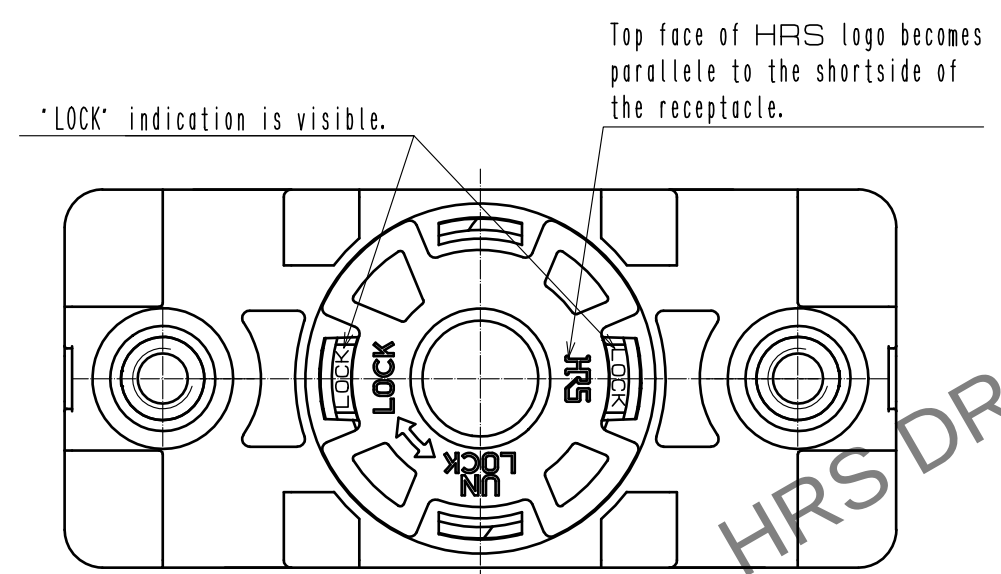
UNITS mm		SCALE 1 : 2	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
 HIROSE ELECTRIC CO., LTD.		APPROVED	: TP. KOMATSU	20220815	DRAWING NO. EDC-118302-06-00		
		CHECKED	: HY. KOBAYASHI	20220815	PART NO. EM30MSD<06>		
		DESIGNED	: TY. SUZUKI	20220812	CODE NO. CL0138-0200-0-06		
		DRAWN	: TY. SUZUKI	20220812	 1/2		

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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

4 Fig.1 The recommended panel dimention (t = 2 to 4.5)



8 Fig.3 State of locked

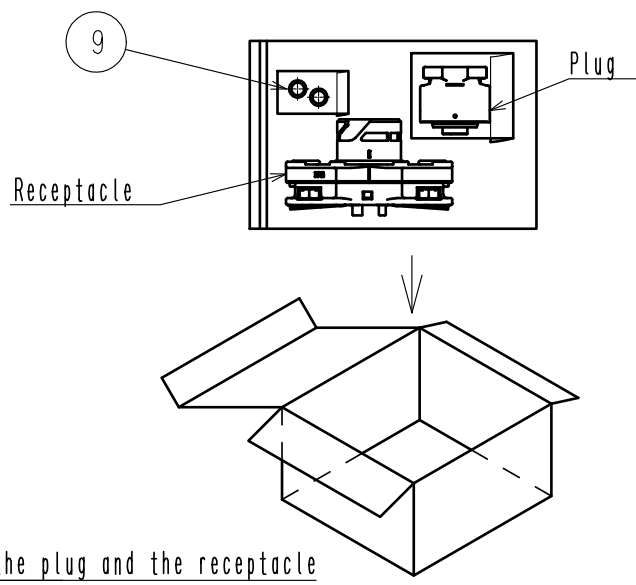


9 Table.1 Connection Timing (Power line and signal line)

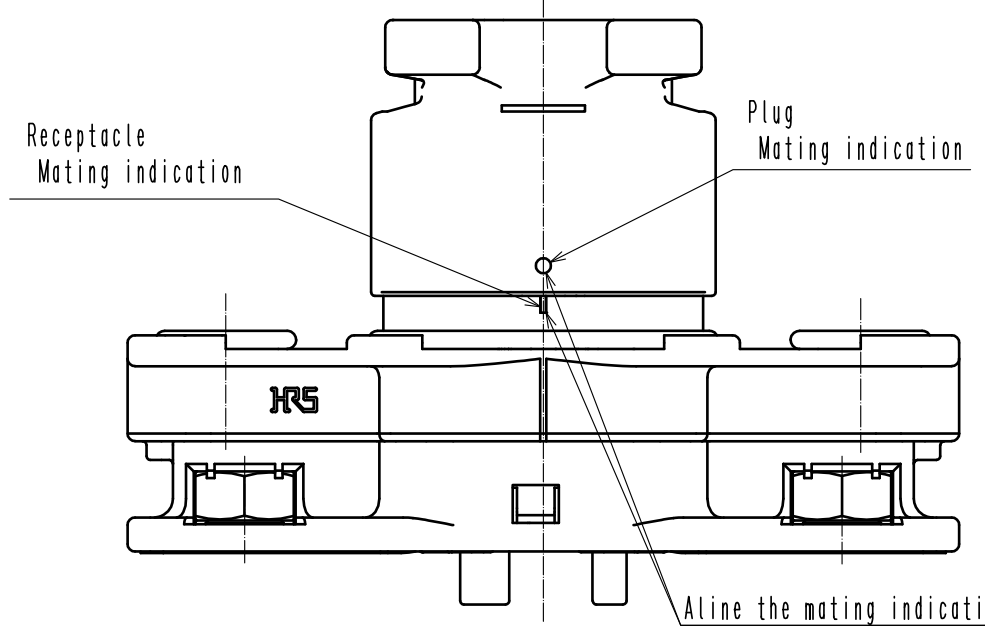
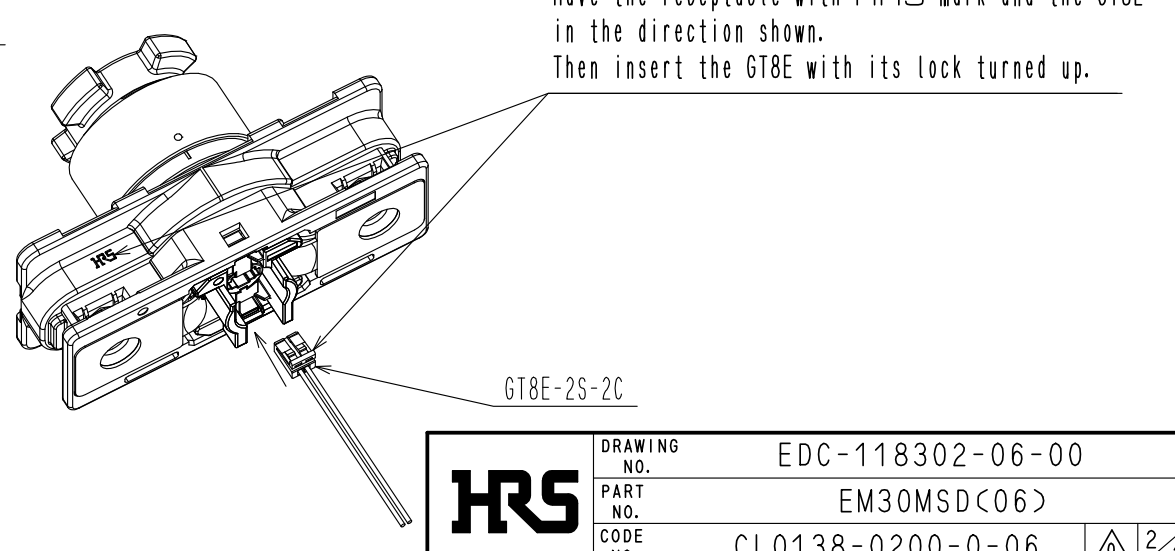
Ⓐ-Ⓑ Power line
Ⓒ-Ⓓ Signal line

State	Before mating	Insertion plug	Rotated and Locked	Unlocked	Unmated
Appearance					
Connection		Power line closed. Signal line open. No power current.	Signal line closed. Power line ON	Signal line open. Power line OFF.	
Circuit diagram					

5 Fig.4 View of packing style



3 View of signal contact side



DRAWING NO.	EDC-118302-06-00
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CODE NO.	CL0138-0200-0-06

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