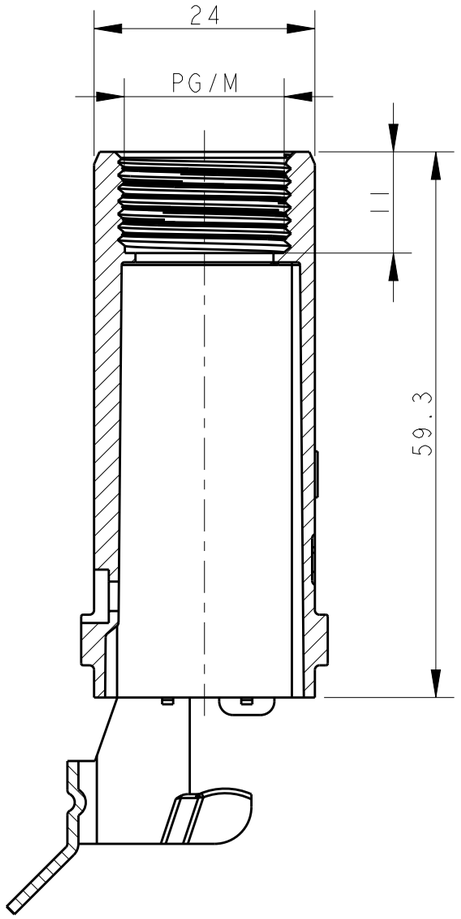
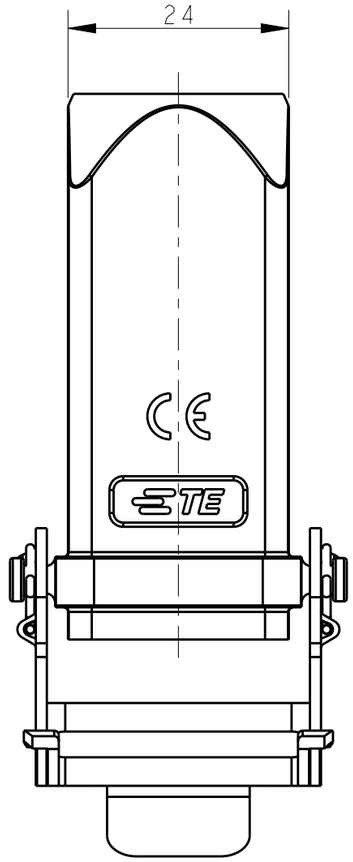
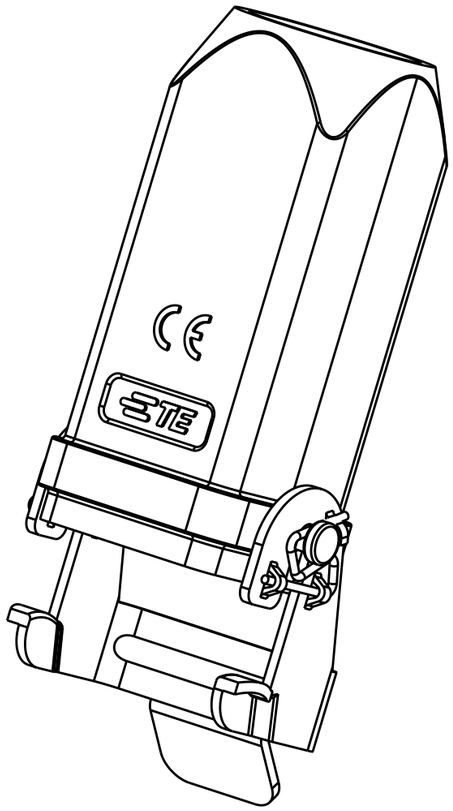
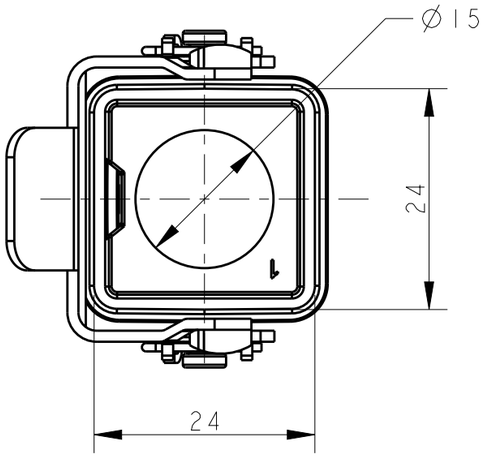
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	04MAY2015	DL	CW
	A1	REVISED PER ECR-18-004096	16MAR2018	RG	CW
	B	ECR-20-007782	24NOV2020	BS	CW









NOTES:
1. TECHNICAL CHARACTERISTICS:
   BODY MATERIAL: DIE CAST ZINC ALLOY
   SURFACE TREATMENT: POWDER-COATED, GRAY OR RED
   DEGREE OF PROTECTION: IP65 (MATED)

注释：
1. 技术参数：
   主体材料： 锌合金
   表面处理： 粉末喷涂， 灰色 或 红色
   防护等级： IP65(配合)

ASSEMBLY PART NUMBER	ASSEMBLY PART DESCRIPTION	SURFACE COATED COLOR	PG/M
T1737030111-000	H3A-MTGVB-PG11	RED RAL2004	PG11
T1739030111-000	H3A-MTGVB-PG11	GRAY	PG11
T1739030120-000	H3A-MTGVB-M20	GRAY	M20

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±-
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -

FINISH - -

DWN DAVID LI 04MAY2015
CHK CHRIS WANG 04MAY2015
APVD XU XIANG 04MAY2015
PRODUCT SPEC 108-137012
APPLICATION SPEC 114-137012
WEIGHT -

TE Connectivity

NAME H3A-MTGVB-PG/M

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	-	C-T1739030IXX000	

CUSTOMER DRAWING | SCALE 3:2 | SHEET 1 OF 1 | REV B

H3A IP65 Hood and Housing series

Table of contents

1. INTRODUCTION

This specification contains the regulations for assembly of various H3A Metal Hood and Housing.
The following components are available in this system:
Hood and housing: H3A (metal hood & housing)

2. SUPPORTING DOCUMENTS

2.1. Customer drawings

Please refer to the relative customer drawing of H3A Metal Hood and Housing.

2.2. Product specification

The product specifications of the used articles are to be taken into account. The product specification describes the technical data as e.g. regulations, temperature range and degree of protection.
For further reference refer Product spec. 108-137012.

2.3. Standards

- EN 61984: Connectors - Safety requirements and tests
- IEC 60664-1: Insulation coordination for equipment within low-voltage systems (Part 1)
- EN 60529: Degrees of Protection Provided by Enclosures (IP Code)
- EN 60068: Environmental testing

3. DESCRPTION

This application specification describes Hood and Housing series.
The following picture in figure 1 shows a complete assembly H3A Hood and Housing with locking.

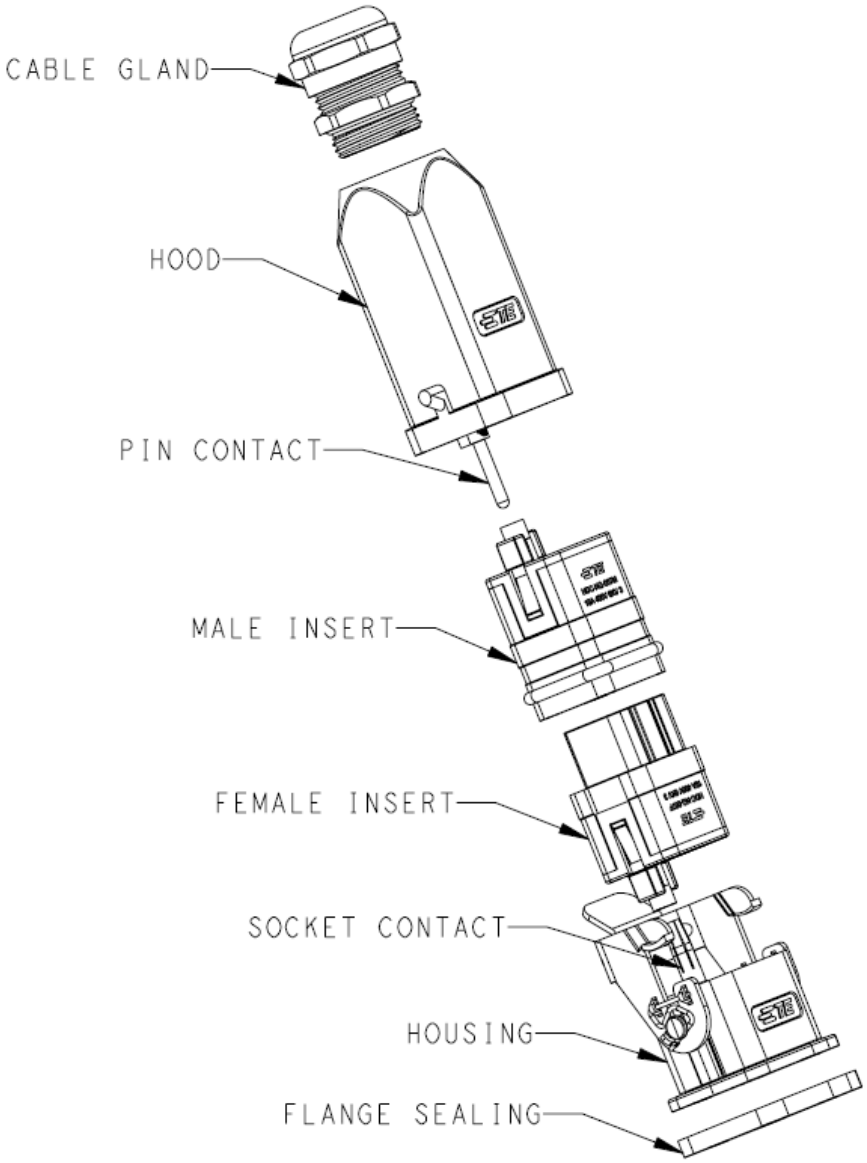
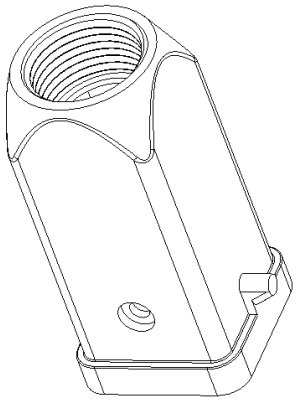


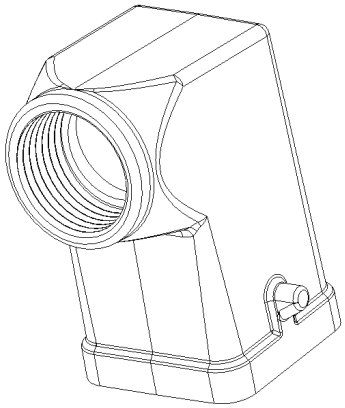
Figure: 1

The product consists of the following components (see Figure 1):
- Hood and Housing
- Male and female inserts
- Pin and socket contact
- Cable gland
- Flange seal

3.1. Hood types

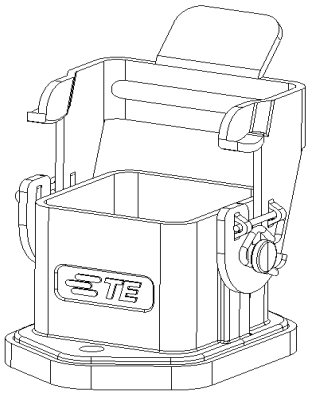


H3A-MTG
Top entry
with 2 bolt

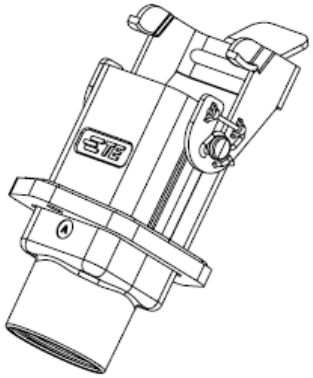


H3A-MTS
Side entry
with 2 bolt

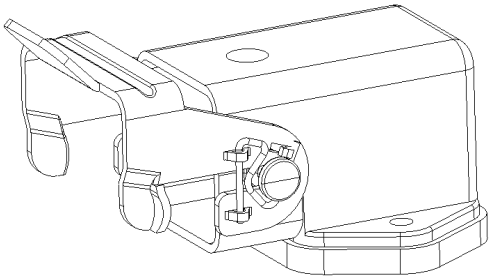
3.2. Housing types- Bulkhead mounted housing



H3A-MAG
Bottom entry
with 1 level locking

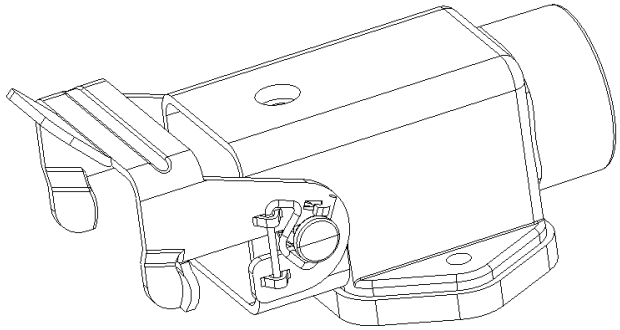


H3A-MAG-PG/M
Bottom entry with PG/M thread
with 1 level locking



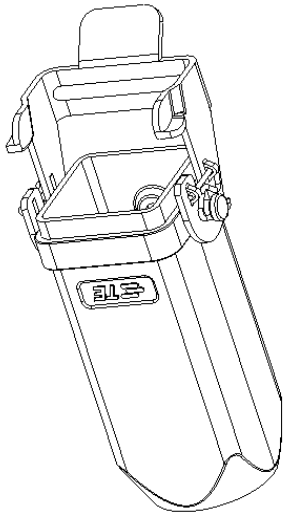
H3A-MAGS
Side entry
with 1 level locking

3.3. Housing types– Surface mounted housing



H3A-MAGSV
Side entry
with 1 level locking

3.4. Housing types– Cable-to-Cable Housing



H3A-MTGVB
with 1 level locking

4. REQUIREMENTS

4.1. Panel cut-out

For information concerning the panel cut-out for the use of bulkhead mounted housing or surface mounted housings on panels please refer to the customer drawings. For example as shown in Figure 2 and related dimension refer to the customer drawings.

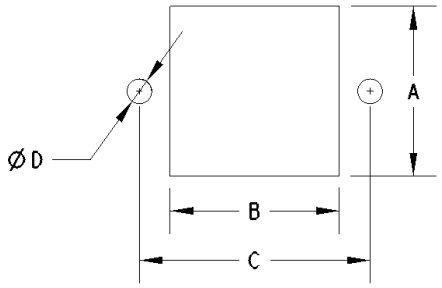


Figure 2

Note: Fixing screws for the assembly housings on panel are not part of the scope of delivery. It can be chosen suitable type according to size of hole on panel. Initial and test-torque values can be chosen from the following table:

M3	0.5 Nm

4.2. Locking

A complete locking system with locking consists of the following components, as shown in Figure 3.

The locking is used for the locking of the housing and hood. The locking is fixed on the housing and have to be pushed up to lock the hood.

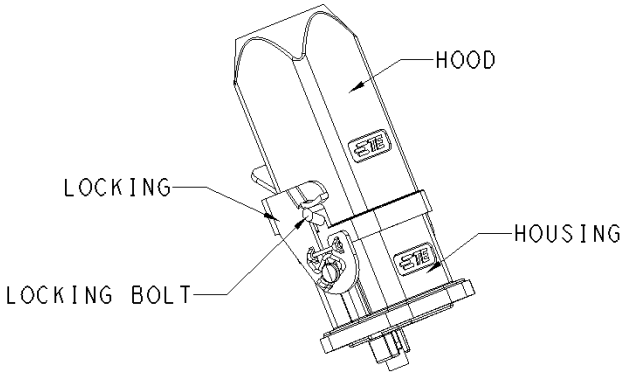


Figure: 3

4.3. Inserts assembly

The inserts are fixed into the hood/housing with M3 fixing screw and O-ring. And these M3 fixing screw and O-Ring are components on inserts. For example as shown in Figure 4.

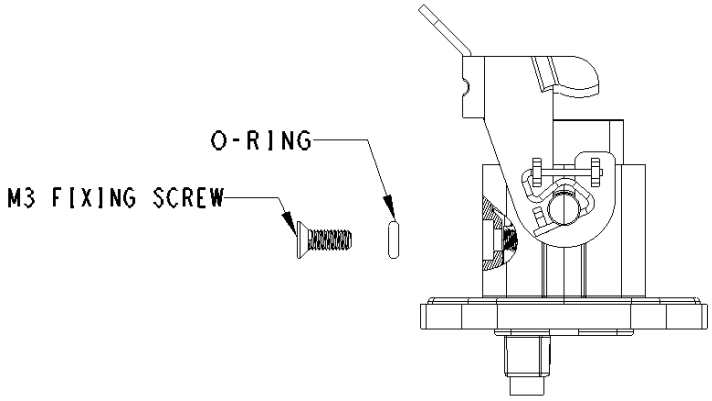


Figure: 4

Initial and test-torque values can be chosen from the following table:

M3	0.5 Nm

5. ACCESSORIES

For the selection and specification of cable glands, please refer to our catalogue.
The possible arrangement of fitting depends on the hood selection. All hood versions have M-threads and PG-threads. For example, the hood and housing can be assembled with the adaptors and cable gland (plastic or metal). As shown in Figure 5.

Adapter

Metal cable gland

Plastic cable gland

Figure: 5

6. STORAGE

The connectors should be stored in the air ventilation, no corrosive gas, no rain and no snow in the warehouse. Relative humidity: less than 85% RH.