CCG CABLE TERMINATIONS

PLUGS – HEXAGON HEAD, DOME HEAD & STOPPER

Class I / II / III Div. 1, 2;
Class I /II /III Zone 1 & Zone 21


Stopper Plugs


Hexagon head


Dome Head

Features and Benefits

- Used to blank off threaded entry holes.
- Hexagon Head and Dome Head Plugs with metric threads are supplied with sealing gaskets.
- Stopper plugs are available in standard and reversed (security) forms. (Tightened from inside the enclosure)

Technical Data

Product:	Plugs. (Hexagon Head, Dome Head & Stopper)
Material:	Aluminium, Brass (Marine Grade Electroless Nickel Plated), Bronze PB2 (Larger sizes only Marine Grade Electroless Nickel Plated) or Stainless Steel.
Gasket:	HDPE, Nylon 66 or PTFE. (Selected according to the temperature range required)
Note:	The installer should check that the materials are suitable for the installation environment.
Temperature ranges:	When fitted with sealing gaskets the temperature range for the Plugs will be:-
Sealing gasket material	Temperature range
HDPE	-20°C or -60°C to +95°C
Nylon	-20°C or -60°C to +100°C
PTFE	-20°C or -60°C to +160°C
Note:	-20°C temperature range applies to Div. 1 & AEx / Ex db applications only

Standards and Certifications

Type	Certificate	Protection Level
NEC / CEC:	E115595	Class I/II/III Div. 1,2; Class I, Zone 1; Zone 21 AEx / Ex db IIC Gb; AEx/ Ex eb IIC Gb, AEx/ Ex ta IIIC Da

In accordance with NEC/CEC the products can additionally be used in Zones 2 and 22.

MET c us *Other certification types are available for this product e.g. IECEx.*

Specific Conditions of Use - X

1. Products have a minimum IP rating of IP65 with no sealing gasket. Metric threads can have an IP rating of IP66/67/68 if fitted with the supplied sealing gasket. NPT threads can have an IP rating of IP66/67/68 if fitted using a suitable thread sealant.
2. Suitable for use in indoor and outdoor locations.
3. Aluminium products should not be used in a salt water / vapour atmosphere.

Product Code Structure

The product codes are made up as follows:-

1st Digit:	2nd Digit:	3rd Digit	4th to 6th Digit
P = Plug	H = Hexagon head D = Dome head S = Stopper	N = NPT thread M = Metric thread)	N = NPT thread (female) M = Metric thread (female) Thread size (see table below) Followed by "E-MNA"

NPT Code	Thread Size
012	½"
034	¾"
001	1"
114	1¼"
112	1½"
002	2"
212	2½"
003	3"
312	3½"
004	4"

Metric Code	Thread Size
020	M20
025	M25
032	M32
040	M40
050	M50
063	M63
075	M75
080	M80
090	M90
100	M100
115	M115
130	M130

For example:-
PHM032E-MNA = A hexagon head plug with an M32 thread.
PDN002E-MNA = A dome head plug with a 2" NPT thread.

Fitting Instructions

Plugs with NPT threads should be tightened wrench tight. Couplers / Unions with metric threads should be tightened according to the table below.

Thread Size	Torque Nm / lb ft
M20	21 / 16
M25	30 / 22
M32	42 / 31
M40	52 / 38
M50	57 / 42
M63	66 / 49

Thread Size	Torque Nm / lb ft
M75	72 / 53
M80	80 / 59
M90	89 / 66
M100	98 / 72
>M100	175 / 129

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