

1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa15ATEX0175X**

4 Equipment or Protective System: **Ex eb Liquid tight Metallic Conduit System**

5 Manufacturer: **Cable Management Products Ltd**

6 Address: **Station Road, Coleshill, Birmingham, B46 1HT**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR15.0283/00**.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012+A11 2013 EN 60079-7:2015 EN 60079-31:2014**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**Ex II 2 GD Ex eb IIC Gb**

**Ex tb IIC Db (see description for operating temperatures)**

Baseefa Customer Reference No. **0628**

Project File No. **14/0066**

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**SGS Baseefa Limited**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN



R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

## Schedule

14

Certificate Number Baseefa15ATEX0175X

15 Description of Equipment or Protective System

The Liquid tight Metallic Conduit System consists of the EX\*HC, EX\*T, EX\*B and EX\*UB conduit types together with the EXQ\*, EXR\*, EXS\*EXC\*, EXQ\*B, EXR\*B, EXS\*B and EXC\*B fittings.

The operating temperature range of the equipment is dependent on the conduit type used as follows:-

EX\*HC -35°C to +105°C  
EX\*T -20°C to +70°C  
EX\*B -20°C to +70°C  
EX\*UB -20°C to +70°C

The suffix for each conduit type can be denoted by the following:-

L = Galvanised steel core  
L\*\*B = Over braided with galvanised steel core  
S = Stainless steel core  
S\*\*B = Over braided with stainless steel core

The fittings are denoted as follows:-

EXQ\* = Straight fitting  
EXR\* = 45° fitting  
EXS\* = 90° Elbow  
EXC\* = Conduit joiner/coupler

A 'B' after the suffix denotes the fittings suitable for use with braiding.

The suffix for each fitting type can be denoted by the following:-

M = Metric Nickle plated brass  
MS = Metric stainless steel  
A = NPT nickel plated brass  
AS = NPT stainless steel

The conduit is available in three different polymer coatings that surround either a galvanised mild steel or stainless steel inner core.

The conduit fitting may be manufactured in either brass or stainless steel which may be coated or plated to suit the application. The combined sealing and clamping ring is manufactured from brass. The fitting comprises a back nut that is placed over the conduit followed by the brass sealing ring, a ferrule insert is placed in to the end of the conduit and the capnut is now threaded to the backnut and torqued to the correct specification.

The conduit is also supplied with an external layer of stainless steel braid with modified fittings to provide an external clamping mechanism to clamp the stainless braid.

### Variation 0.1.

The conduit is also suitable to be used with the EX de certified HA Gland IECEx SIR09.0103X

**16 Report Number**

SGS Baseefa Certification Report GB/BAS/ExTR15.0283/00.

**17 Specific Conditions of Use**

1. The apparatus has been subject to the impact tests corresponding to 'low risk of mechanical damage' and is therefore restricted to use in areas where the risk of mechanical damage is designated as low.
2. The IP rating of the conduit fittings can be maintained by the use of the supplied 'O' ring when the conduit fittings are fitted to a representative threaded enclosure having a smooth flat mounting surface.
3. Where the conduit fittings are used in to a 'plain hole' the plain entry diameter shall not be more than 0.7mm greater than the nominal diameter of the entry thread or gland fitting. It is the users responsibility to ensure the appropriate ingress protection level is maintained at these interfaces.
4. The IP rating of the conduit fittings can be maintained without the use of the 'O' ring provided the corresponding thread form has a tolerance class of 6H or better according to ISO 965-1 with no less than five threads. For the NPT variants the tapered threads shall be no less than 3 ½ threads.

**18 Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

**19 Drawings and Documents**

Drawing No.	Sheet	Issue	Date	Description
A0010-A	-	0	21/10/15	EXQ* Straight Fittings
A0010-B	-	0	21/10/15	EXR* 45° LT Fittings
A0010-C	-	0	21/10/15	EXS* 90° LT Fittings
A0010-D	-	0	21/10/15	EXC* Straight Coupler
A0010-E	-	0	21/10/15	EXQ*B Straight Fittings
A0010-F	-	0	21/10/15	EXR*B 45° LT Fittings
A0010-G	-	0	21/10/15	EXS*B 90° LT Fittings
A0010-H	-	0	21/10/15	EXC*B Straight Coupler
A0010-J	-	0	21/10/15	HA-G1-EXQM-Variation 1
A0010-K	-	0	21/10/15	Explanation of Sealing
A0010-L	-	0	21/10/15	Explanation of Sealing
A0010-M	-	0	21/10/15	Ex eb System Marking Detail
A0011-A	-	0	21/10/15	EX*HC, EX*HCB Conduits
A0011-B	-	0	21/10/15	EX*T, EX*TB Conduits
A0011-C	-	0	21/10/15	EX*B, EX*BB Conduits
A0011-D	-	0	21/10/15	EX*UB Conduit

The drawings above are common to both Baseefa15ATEX0175X and IECEx BAS 15.0283X, and are held with the latter.