

E38 Series: Ergonomic Desktop Trackball Module, USB & PS/2



Figure 1: E38 Desktop Trackball

1. DESCRIPTION

The E38 Series desktop trackball module is a marine certified (IEC 60945) device that incorporates the latest Cursor Controls Ltd IP65 technology.

The module combines the patented optical trackball technology with the Cursor Controls Ltd hall-effect scroll wheel to provide a fully waterproof desktop trackball solution.

To compliment these two technologies, the module also includes left, middle, and right switch functionality as found in all conventional desktop trackballs/mice, making the E38 Series module a complete human interface solution for control of a cursor.

In its standard configuration, the E38 Series is supplied with a black, fine-textured housing, aluminium base plate, USB and PS/2 electrical output, and a grey scroll wheel. A variety of electrical outputs, ball tracking force options, colours and backlighting features are also available - please contact your local sales office for further details regarding these custom options.

The solid state design allows the device to be subjected to extreme conditions and provides the user with the ability to wash down, decontaminate, and sterilise the module, making it the ideal trackball for a wide range of demanding applications and environments.

The unit has been designed to be a freestanding desktop device and optimises desk space when compared to a mouse.

2. REFERENCE DOCUMENTS

[1] DELTA Test Report: DANAK-19/18561 (Project No.: 117-227 12), Test for Marine Approval of Keyboard KFT104S0001-G-MC1 and Trackballs E38-76A31D, E38-79A19F-M012, TBE38F0-001-MC1 and E38-76A11D

[2] DELTA Test Report: DANAK-19/18104 (Project No.: 117-21066), Test for Marine Approval of Salt Mist Test of 2 Keyboards and 7 Pointing Devices

[3] IEC 60945: Fourth edition, 2002 "Maritime navigation and radio communication equipment and systems - General requirements - Methods of testing and required test results"

[4] IEC 60529:1989, Degrees of protection provided by enclosures (IP code) Amendment 1 (1999)

3. FEATURES

The E38 Series desktop trackball incorporates the following features:

- Marine certified (IEC 60945)
- Environmental sealing to IP65
- Infra-red optical navigation technology
- Integrated IP65 hall-effect scroll wheel technology
- Integrated left, middle and right switch functionality
- 38mm ball for precise cursor control
- USB & PS/2 outputs (auto select)
- Wired USB cable providing high reliability and avoiding the need for batteries
- Smooth operation in rugged environments
- Various custom options available (please contact your local sales office for details)

The E38 Series desktop trackball provides conventional X and Y axis cursor movement with an additional Z-axis scroll wheel. The Z-axis scroll wheel provides scroll/zoom and middle button capabilities for more effective navigation in complex user interfaces and operating systems (please note that the function of the scroll wheel is software dependent).

The trackball also features a removable retaining ring enabling the user to remove the ball for servicing, cleaning, and maintenance purposes.



Figure 2: E38 Desktop Trackball Features

6. DIMENSION DRAWING

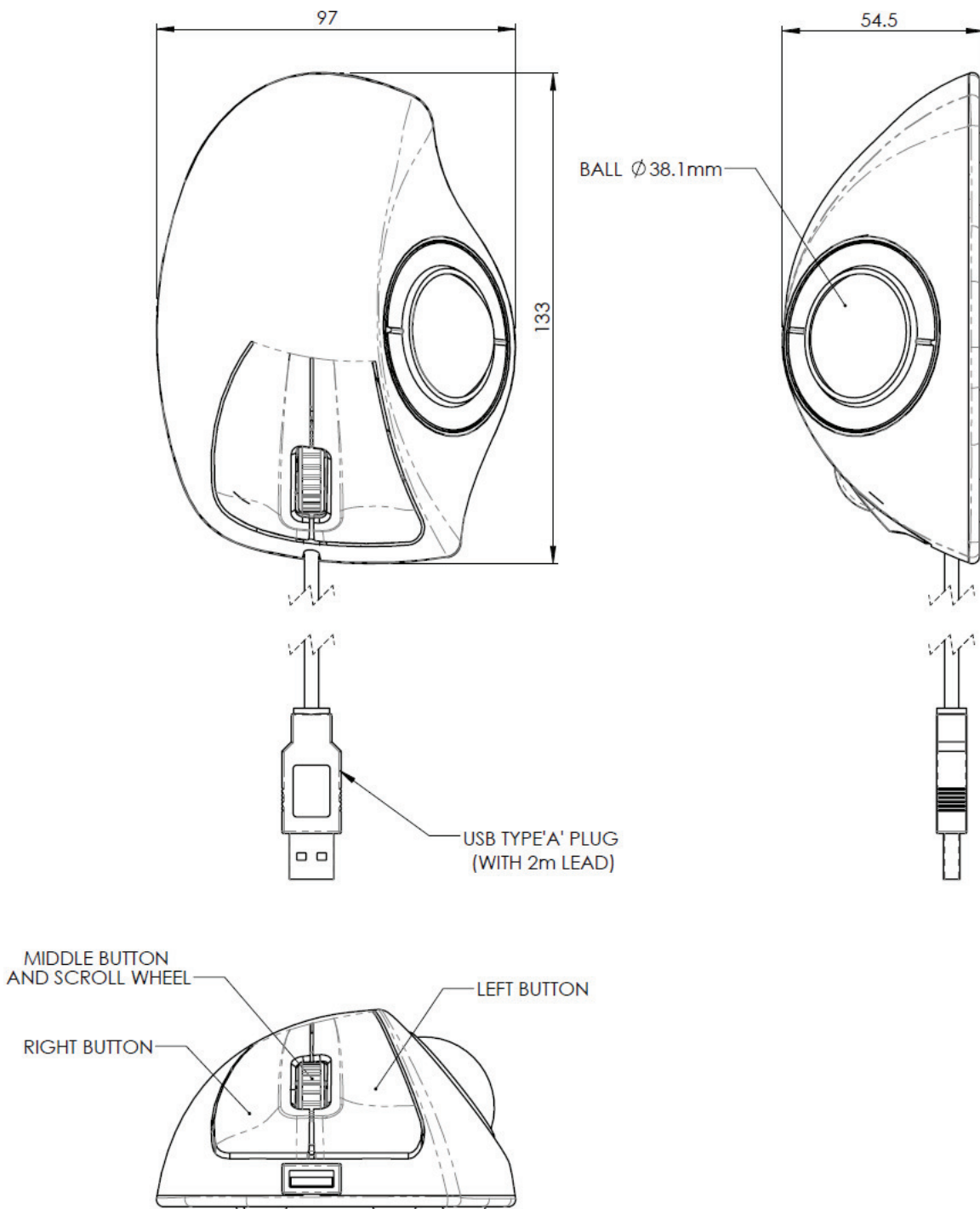


Figure 3: E38 Desktop Trackball Dimensions

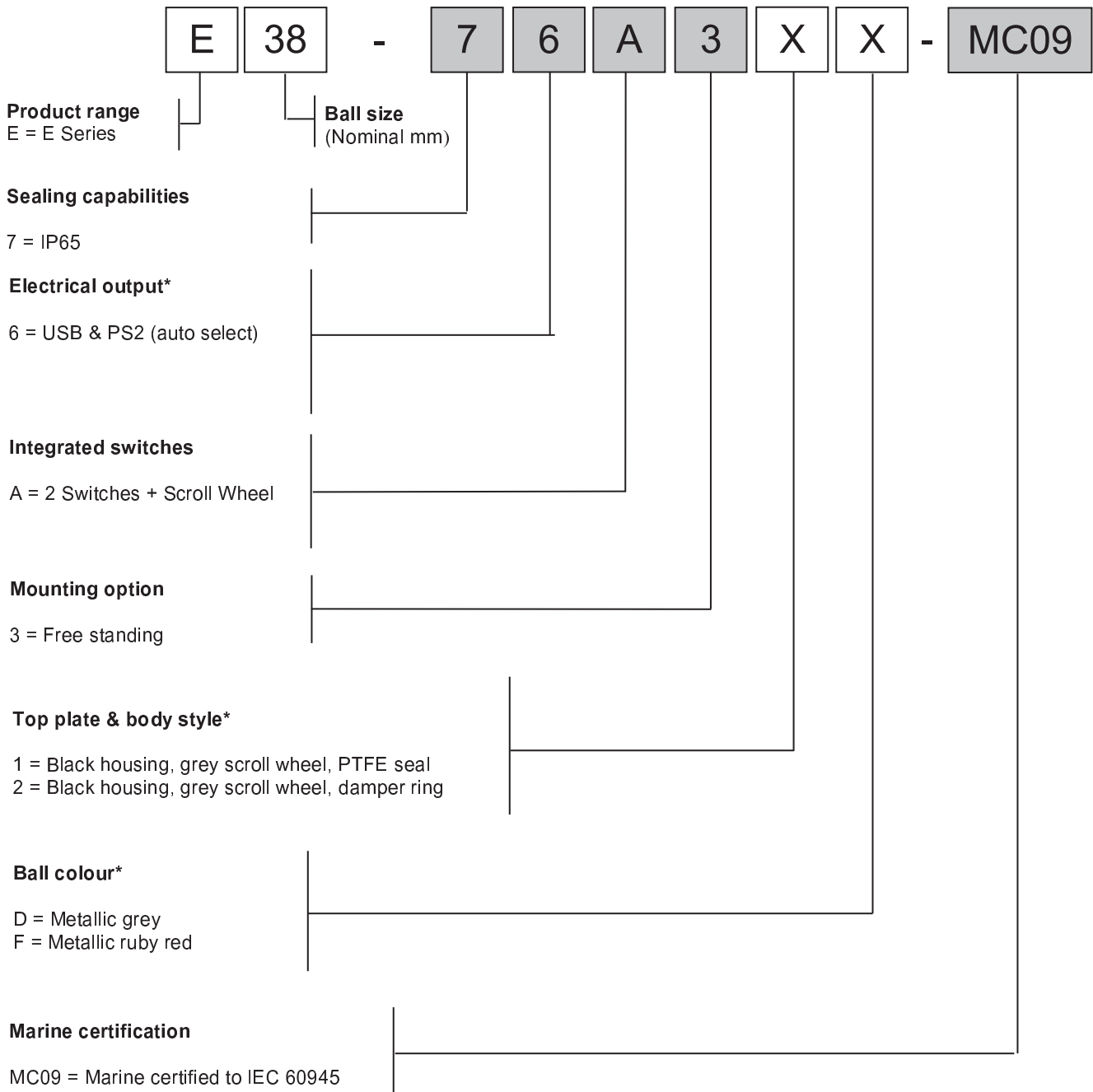
All dimensions are in mm unless otherwise stated

Tolerances +/- 0.25mm unless otherwise stated

Please note that an IGES/STEP model is available on request. Please contact your local sales office for more information

7. PRODUCT ORDERING CODE SYSTEM

Please construct your standard product ordering code by selecting the numbers and letters to suit your specification:



*Further options are available - please contact your local sales representative

6.1 Ordering Example

E38-76A32D-MC09: E38 Series Ergonomic Module, IP65, USB & PS2, 2 switches + scroll wheel, free standing, Black housing, grey scroll wheel, damper ring, metallic grey ball, marine certified