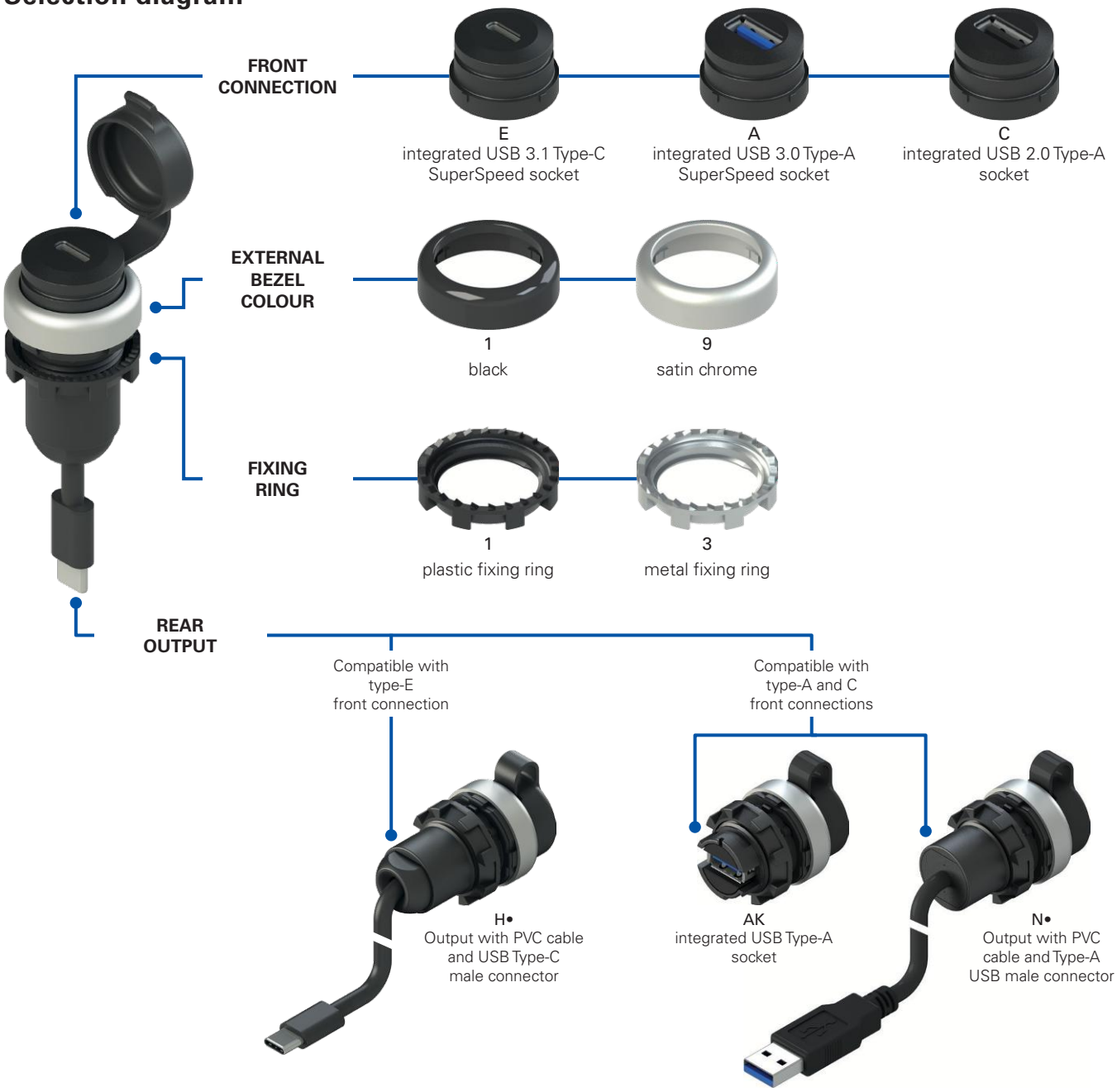
Selection diagram



Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

E2 1USB9CAK

Fixing ring and shaped ring	
1	plastic fixing ring (standard)
2	plastic fixing ring and shaped ring
3	metal fixing ring
4	metal fixing ring and shaped ring

External bezel colour	
1	black (standard)
9	satin chrome (standard)

Front connection	
E	integrated USB 3.1 Type-C socket (only available with rear connection H0.8, H1.8)
A	integrated USB 3.0 Type-A socket
C	integrated USB 2.0 Type-A socket

Rear connection	
AK	integrated USB Type-A socket (available only for USB Type-A front connection)
H0.8	Output with PVC cable (length 0.8 m) and USB Type-C male connector
H1.8	Output with PVC cable (length 1.8 m) and USB Type-C male connector
N0.8	Output with PVC cable (length 0.8 m) and USB Type-A male connector
N1.8	Output with PVC cable (length 1.8 m) and USB Type-A male connector
N3	Output with PVC cable (length 3 m) and USB Type-A male connector (only available for USB Type-A front connection)
N5	Output with PVC cable (length 5 m) and USB Type-A male connector (available only via USB 2.0)



Main features

- Two data transfer speeds
- Protection degree IP67
- Version with socket/socket
- Version with socket / cable with male connector

Technical data

General data

Connections:	USB 3.0 or USB 2.0 for Type-A socket USB 3.1 for Type-C socket
Protection degree:	IP67 acc. to EN 60529 (with closed cap)
Ambient temperature:	-25°C … +70°C
Tightening torque of the ring:	2 … 2.5 Nm
Utilization requirements:	See page 179

In compliance with standards:
IEC 60947-1, IEC 60947-5-1, IEC 60204-1, EN 60947-1, EN 60947-5-1, EN 60204-1, EN IEC 63000, UL 508, CSA C22.2 No. 14.

Compliance with the requirements of:
Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU,
RoHS Directive 2011/65/EU.

Features approved by UL

Ratings: 1.8 A (Supplied by class 2 or limited energy external power supply source)
With port cover in open position "For Use on a Flat Surface of a Type 1".
With port cover in close position "For Use on a Flat Surface of a Type 1, 4X, 12 and 13".
Tightening torque 2.0 Nm.

Please contact our technical department for the list of approved products.

Quality marks:

UL approval: E131787
EAC approval: RU Д-IT.PA07.B.37848/24

General data

USB 3.1 and 3.0 SuperSpeed

The USB socket for Ø 22 mm uses latest-generation USB 3 Type-A or Type-C connectors, offering maximum data transfer speed. Moreover, the socket is also backward compatible with previous USB connectors.
The data transfer speed depends on the chain of devices connected to the USB port, and the operating system used.
The USB Type-C socket supports maximum power transfer of 100 W; the actual power output depends on the connected devices.

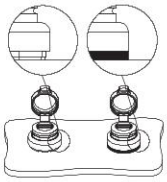
USB 2.0

The USB socket for Ø 22 mm buttons is also available with USB 2.0 Type-A connectors and standard data transfer speed. This option offers the best value for money.

Type-A and Type-C connections

The USB socket is available with integrated Type-A or Type-C front socket.
For the USB Type-A front connection, the rear output is available with USB Type-A integrated female connector or PVC cable output with USB Type-A male connector.
For the USB Type-C front connection, the rear output is available in PVC cable with USB Type-C male connector.

Shaped ring



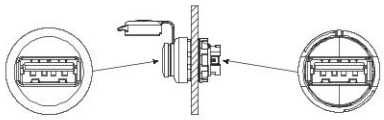
The shaped ring can be used when no label holder or other devices are applied; it prevents dirt and other residues from settling between the socket and the panel or housing.
This turns out to be particularly useful in the sectors where high standards of cleanness and hygiene are required.

Integrated protection cap

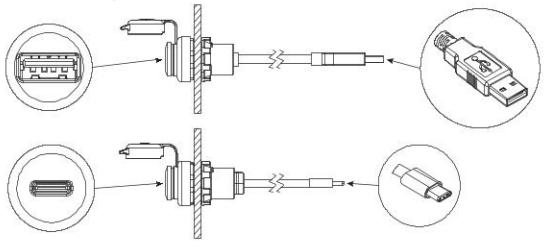
The protection cap integrated in the device ensures maximum resistance, preventing any water or dirt to get inside.
The cap remains attached to the device even when it is not fastened, avoiding it to get lost; besides, its design allows the mounting of label holders.

Versions with socket and with cable

For making device installation flexible and suitable for any situation there are two versions available:
- with socket-to-socket connection (only for USB Type-A)



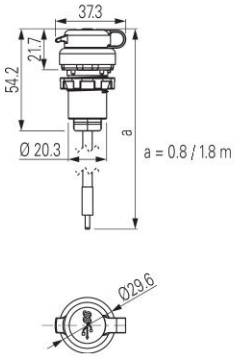
- with female connector / cable with male connector (available in different lengths)



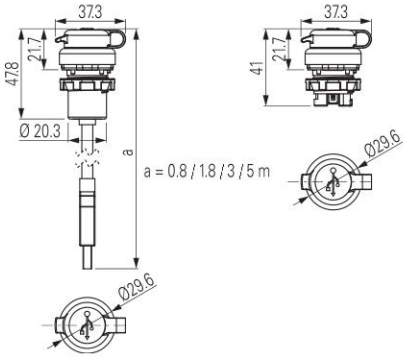
Dimensional drawings

All values in the drawings are in mm

E2 ●USB●EH●
E2 ●USB●EN●



E2 ●USB●AN●
E2 ●USB●CN●



E2 ●USB●AAK
E2 ●USB●CAK