

All dimensions are in mm; tolerances according to ISO 2768 m-H
Y = Part number has to be accomplished by codification

Interface

According to

RN_111-01, RN_111-02

Preliminary

HVR50

Straight
Dummy Plug

H6K105-12A006B-Y

Material and plating

Connector parts

Shielding
Shielding Contact Element
HVIL Contact
Insulator
Secondary lock
Housing
Slider
Snap Ring
Interface Seal
Cable Seal
End Cap
Dummy Plug

Material

Brass
Spring Bronze
Spring Bronze
PA10T/X GF30
PA66+PA6-HI-GF15
PBT GF30
PBT GF30
PA12 GF30
Silicone
Silicone
PBT GF30
PA4.6

Plating / Colour

Ni, min. 3µm
Ag, min. 0.5µm
Ag, min. 0.5µm
black, RAL 9005
traffic purple, RAL 4006
orange, RAL 2003
see coding table
black, RAL 9005
green, RAL 6032
black, RAL 9011
orange, RAL 2003
red brown, RAL 8012

Electrical data

High Voltage Interlock (HVIL) Yes

Mechanical data

Mating cycles ≥ 50
Engagement force ≤ tbd N
Coding efficiency ≥ 300 N
IP code mated IP6K9K/ IPX8/ IPXXD
IP code unmated IPXXB
Vibration class LV215 PG17-IV

Environmental data

Temperature range -40°C to +140°C
RoHS compliant

Packing

Standard tbd
Weight 72 g/pce


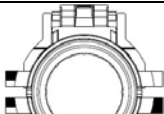
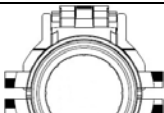
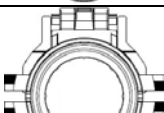
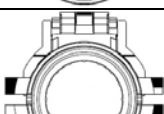
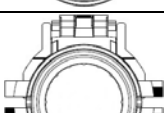
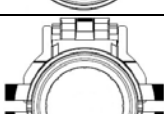
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RF_35/09_14/6.2

Coding

Part Number has to be accomplished by codification

Coding	Plug	Housing Colour / RAL	Slider Colour / RAL	Part-Number
A		orange sim. 2003	black / sim. 9005	H6K105-12A006B-A
B		orange sim. 2003	white / sim. 9010	H6K105-12A006B-B
C		orange sim. 2003	blue / sim. 5012	H6K105-12A006B-C
D		orange sim. 2003	violet / sim. 4004	H6K105-12A006B-D
E		orange sim. 2003	green / sim. 6017	H6K105-12A006B-E
F		orange sim. 2003	brown / sim. 8011	H6K105-12A006B-F
Z		orange sim. 2003	waterblue / sim. 5021	H6K105-12A006B-Z

Preliminary

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
S. Rutz	31.10.16	S. Rutz	03.05.17	100	17-m308	P. Teichmann	03.05.17