



## Type IVG (metal internal thread)





## **Product information**

The IVG conduit fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free.

The IVG conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled
- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength.
- $\bullet$  High level of tightness at IP 68/69K to 6 bar without any add-on components to DIN IEC 60529/A1

#### Specification:

- EN 45545-2 3x HL3
- NFPA 130: ASTM E 162, ASTM E 662

## Information, conformities and approvals













IVG M12-M 83571052 Black ✓ M12x1,5 M12/P09 31 8 6.5 19 /	/ 20 50
IVG M16-M 83571054 Black	/ 25 50
IVG M20-M 83571056 Black	/ 33 50
IVG M25-M 83571058 Black	/ 41 50
IVG M32-M 83571060 Black 🗸 M32x1,5 M32/P29 56 13 24 43 /	/ 50 25
IVG M40-M 83571062 Black 🗸 M40x1,5 M40/P36 70 14 33 54 /	/ 60 25
IVG M50-M 83571064 Black 🗸 M50x1,5 M50/P48 80 15 44 67 / 2)	/ 75 10

## Material properties



Fitting: mod. polyamide PA 6 Connecting thread Brass nickel-plated mod. polyamide PA 6 Brass nickel-plated

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<sup>2)</sup> No stock goods, delivery time and minimum order quantities upon request





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## Thermal properties



Temperature / temperature range -40  $^{\circ}$ C - 110  $^{\circ}$ C / short term: 140  $^{\circ}$ C

## Protection class



Protection classIP68 up to 6 bar

## Fire properties



Fire classificationacc. to UL94: V0 self-extinguishing

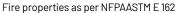


Fire properties as per EN 45545-2C.I.T. R22 / R23 HL3 :0,58 NF  $\times$  70-100-1/-2 600  $^{\circ}$ C



LOI R22 / R23 HL3 :≥ 32 % ISO 4589-2

Ds (max.) R22 / R23 HL3:57 ISO 5659-2 (25 KW/m²)





ASTM E 1354

ASTM E 662 Boeing BSS 7239

Boeing BSS 7242

Bombardier SMP 800-C



Smoke emission classSR2 DIN 54837 / 5510-2



Flammability classificationS4 DIN 5510-2

#### Chemical resistances



Resistant to: Alcohol Greases Fuels Mineral oils

## Technical information



Halogen-free

## Conformity



RoHS (EC Directive 2011/65/EU)

## Approvals and operating permits



EU railway approval





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## Approvals and operating permits



CSA approval



cURus approval

## Classification



ETIM 9: EC001176 ECLASS 14: 27430312

## **General information**



Made in Germany

All details given in our sales brochures and catalogues, as well as the information available online, are based on our current knowledge of the products described.

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