

# Special products

## Meet the demands of our customers

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## Special products Introduction

Meet the demands of our customers. Besides the standard products we also provide custom built solutions with special productions of fittings and conduits, support in planning as well as technical service.

This can cover an adaptation of our standard products to the individual customer demands or the construction and realisation of fittings and conduits which fulfill project specific requirements. We always try to meet the demands of our customers and to offer our best service.



# Special products

## Connections, connection splices, metric, PG



VNR-REM

### VNR-REM

#### Connection to solid metal tube, metric/PG

– Quick connection of solid metal tubes with flexible PMA conduits

Order No. IP68 without clamp ① ②	Order No. IP68 with clamp ① ②	Fits to conduit size metric		Steel tube metric	Inside Ø	Overall length
BVNR-REM162	BVNR-REM162-24	12	16	M16	16.0 mm	54.0 mm
BVNR-REM187	BVNR-REM187-28	17	20	M18	18.5 mm	65.0 mm
BVNR-REM207	BVNR-REM207-28	17	20	M20	20.0 mm	65.0 mm
BVNR-REM253	BVNR-REM253-32	23	25	M25	26.0 mm	71.0 mm
BVNR-REM329	BVNR-REM329-44	29	32	M32	32.0 mm	71.0 mm
BVNR-REM406	BVNR-REM406-50	36	40	M40	40.0 mm	90.0 mm
BVNR-REM508	BVNR-REM508-65	48	50	M50	50.0 mm	90.0 mm

Order No. IP68 without clamp ① ②	Order No. IP68 with clamp ① ②	Fits to conduit size metric		Steel tube PG	Inside Ø	Overall length
BVNR-RE12	BVNR-RE12-24	12	16	PG11	18.5 mm	56.0 mm
BVNR-RE1317	BVNR-RE1317-28	17	20	PG13	20.4 mm	65.0 mm
BVNR-RE17	BVNR-RE17-28	17	20	PG16	22.5 mm	65.0 mm
BVNR-RE23	BVNR-RE23-32	23	25	PG21	28.5 mm	71.0 mm
BVNR-RE29	BVNR-RE29-44	29	32	PG29	37.0 mm	71.0 mm
BVNR-RE36	BVNR-RE36-50	36	40	PG36	47.0 mm	84.0 mm
BVNR-RE48	BVNR-RE48-65	48	50	PG48	59.3 mm	90.0 mm

– Jubilee clip made of galvanised bright steel

– IP68 on corrugated conduit side, on tube side up to IP68 with sealant

– Available with or without jubilee clip



VSG

### VSG

#### Connection splice for flexible conduits

– Designed for optimal connection of PMA conduits

Order No. IP66 ①	Order No. IP68 ①	Fits to conduit size metric		Outside Ø	Overall length
BVSGD-1212GT	BVSGR-1212	12	16	23.5 mm	66.0 mm
BVSGD-1717GT	BVSGR-1717	17	20	29.5 mm	87.0 mm
BVSGD-2323GT	BVSGR-2323	23	25	37.0 mm	103.0 mm
BVSGD-2929GT	BVSGR-2929	29	32	44.0 mm	100.0 mm
BVSGD-3636GT	BVSGR-3636	36	40	53.5 mm	130.0 mm
BVSGD-4848GT	BVSGR-4848	48	50	66.0 mm	133.0 mm

① Please replace "B" for black with "S" for grey in front of the order no.

② IP68GT available. Please add "GT" to order no. or insert before clamp size (e.g. BVNR-REM162GT, BVNR-REM162GT-24)

# Special products

## Metal connectors, metric



MPNK

### MPNK

#### Metal connector for PMA conduits, metric thread

- For high temperature applications
- Suitable for high mechanical loads

Order No. metal	Thread metric	Fits to conduit size NW	Fits to conduit size profile	Inside $\varnothing$ min.	Thread length
MPNK-M160	M16 x 1.5	10	T	12.0 mm	12.0 mm
MPNK-M162	M16 x 1.5	12	T	12.0 mm	12.0 mm
MPNK-M207	M20 x 1.5	17	T	15.8 mm	14.0 mm
MPNK-M253	M25 x 1.5	23	G	19.0 mm	15.0 mm
MPNK-M329	M32 x 1.5	29	G	26.5 mm	18.0 mm

- Nickel-plated brass
- Seals made from silicon
- Easy introduction of wires and cables
- Vibration-proof connection to PMAFLEX conduits
- Very good chemical properties
- IP68

# Special products

## Elbow adapters, metric



MAVI

### MAVI

#### Special 45° elbow adapter, metric thread

- Where a certain cable outlet angle is required
- In connection with PMA connectors, especially connectors with strain relief VNZ
- Enables different mounting positions:
  - With a lock nut behind a clearance hole
  - In threaded holes (lock nut on MAVI side for positioning)
  - With SCA spin-coupler

Order No.	Thread metric inside	outside	Thread length outside	Outside ∅	Overall length
MAVI-M20/01	M20 x 1.5	M20 x 1.5	10.0 mm	35.0 mm	45.0 mm
MAVI-M25/01	M25 x 1.5	M25 x 1.5	11.0 mm	39.0 mm	51.0 mm
MAVI-M32/01	M32 x 1.5	M32 x 1.5	13.0 mm	46.0 mm	54.0 mm
MAVI-M40/01	M40 x 1.5	M40 x 1.5	13.0 mm	55.0 mm	62.0 mm
MAVI-M50/01	M50 x 1.5	M50 x 1.5	14.0 mm	65.0 mm	75.0 mm
MAVI-M63/01	M63 x 1.5	M63 x 1.5	14.0 mm	80.0 mm	84.0 mm

- Nickel-plated aluminium (other materials e.g. stainless steel or nickel-plated brass available on request)
- High thread and system connection strength
- IP68 static/IP67 dynamic
- Temperature range: -60 °C to +105 °C

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MAVIK

### MAVIK

#### Positioning 45° elbow adapter, metric thread

- Where a certain cable outlet angle is required
- In connection with PMA connectors, especially connectors with strain relief VNZ
- The counter nut allows accurate positioning of the outlet direction in threaded holes

Order No.	Thread metric inside	outside	Thread length outside	Outside ∅	Overall length
MAVIK-M20/01	M20 x 1.5	M20 x 1.5	10.0 mm	35.0 mm	52.0 mm
MAVIK-M25/01	M25 x 1.5	M25 x 1.5	11.0 mm	39.0 mm	58.0 mm
MAVIK-M32/01	M32 x 1.5	M32 x 1.5	13.0 mm	46.0 mm	61.0 mm
MAVIK-M40/01	M40 x 1.5	M40 x 1.5	13.0 mm	55.0 mm	69.5 mm
MAVIK-M50/01	M50 x 1.5	M50 x 1.5	14.0 mm	65.0 mm	83.0 mm
MAVIK-M63/01	M63 x 1.5	M63 x 1.5	14.0 mm	80.0 mm	92.0 mm

- Adapter made from nickel-plated aluminium (other materials e.g. stainless steel or nickel-plated brass available on request), counter nut made from nickel-plated brass
- High thread and system connection strength
- IP68 static/IP67 dynamic
- Temperature range: -60 °C to +105 °C

# Special products

## Swivel and positioning adapters, metric, PG



SWA

### SWA

#### Swivel adapter with special sealing, metric/PG metal thread

- Allow PMA connectors to swivel freely in applications where such movement is occasionally necessary
- In connection with PMA connectors with metal thread

Order No.	Thread metric	Thread length	Outside Ø	Overall length
SWA-M16-10	M16 x 1.5	10.0 mm	23.0 mm	37.5 mm
SWA-M20-10	M20 x 1.5	10.0 mm	27.0 mm	38.5 mm
SWA-M25-11	M25 x 1.5	11.0 mm	32.0 mm	41.0 mm
SWA-M32-13	M32 x 1.5	13.0 mm	45.0 mm	46.5 mm
SWA-M40-13	M40 x 1.5	13.0 mm	55.0 mm	47.5 mm
SWA-M50-14	M50 x 1.5	14.0 mm	59.0 mm	49.5 mm
SWA-M63-14	M63 x 1.5	14.0 mm	75.0 mm	52.0 mm

Order No.	Thread PG	Thread length	Outside Ø	Overall length
SWA-P09	09	15.0 mm	23.0 mm	44.5 mm
SWA-P11	11	15.0 mm	27.0 mm	45.5 mm
SWA-P16	16	15.0 mm	32.0 mm	48.0 mm
SWA-P21	21	15.0 mm	40.0 mm	51.0 mm
SWA-P29	29	15.0 mm	50.0 mm	52.0 mm
SWA-P36	36	15.0 mm	59.0 mm	55.0 mm
SWA-P48	48	15.0 mm	70.0 mm	55.0 mm

- Nickel-plated brass
- With thread edge protection
- IP68 and IP69K
- Temperature range: –40 °C to +105 °C



SCA

### SCA

#### Positioning adapter, metric/PG metal thread

- Allows easy positioning of elbow connectors with metal thread
- In connection with PMA connectors with metal thread (Metric: Metal long thread)

Order No.	Thread metric	Thread length	Outside Ø	Overall length
SCA-M16-10	M16 x 1.5	10.0 mm	22.0 mm	32.0 mm
SCA-M20-10	M20 x 1.5	10.0 mm	26.0 mm	33.0 mm
SCA-M25-11	M25 x 1.5	11.0 mm	32.0 mm	35.0 mm
SCA-M32-13	M32 x 1.5	13.0 mm	39.0 mm	39.5 mm
SCA-M40-13	M40 x 1.5	13.0 mm	50.0 mm	41.0 mm
SCA-M50-14	M50 x 1.5	14.0 mm	59.0 mm	43.5 mm
SCA-M63-14	M63 x 1.5	14.0 mm	75.0 mm	45.5 mm

Order No.	Thread PG	Thread length	Outside Ø	Overall length
SCA-P09	09	12.0 mm	22.0 mm	35.0 mm
SCA-P11	11	12.0 mm	26.0 mm	36.0 mm
SCA-P16	16	13.0 mm	29.0 mm	38.0 mm
SCA-P21	21	14.0 mm	39.0 mm	41.0 mm
SCA-P29	29	14.0 mm	44.0 mm	42.5 mm
SCA-P36	36	17.0 mm	59.0 mm	49.0 mm
SCA-P48	48	17.0 mm	69.0 mm	50.5 mm

- Nickel-plated brass
- High fastening torque
- With thread edge protection
- IP68 and IP69K
- Temperature range: –40 °C to +105 °C

