

PMAFIX Pro

Introduction

Next generation cable protection. The extremely successful and technically proven PMAFIX System has been developed further to create the PMAFIX Pro product range.

The new generation fittings are the product of experience gained over many years in the most varied application areas. The PMAFIX Pro has two components, an outer body and an inner sealing element. The sealing element functions both as a seal and as a locking mechanism providing all ingress protection grades up to IP68 and IP69 even in applications where there is long term continuous movement. PMAFIX Pro is manufactured by using multiple component injection moulding process.

Key features

- Meets all ingress protection categories up to and including IP68 and IP69, also when the conduit connection is continually in motion
- Manufactured with newest 2-component injection moulding technology
- Fulfills highest international quality and standard requirements
- Intelligent safety locking mechanism
- Allows simple “push-in” installation of conduits
- Due to the integrated conduit supports, conduit remains centralised with little deformation even when bent sharply directly at the fitting



PMAFIX Pro

General technical details

—
01 patent
—
02 Up to 100 bar

Material

- Fittings made from specially modified polyamide 6
- Threads made from nickel-plated brass or polyamide 6
- Sealings made from cross linked polyester elastomer
- Self-extinguishing
- Free from halogens, REACH + RoHS compliant
- Temperature range: -50°C to +105°C, short-term to +160°C

Characteristics

- Highest assembly reliability – the fitting only locks when the sealing element is fully inserted
- Highest operational safety assured through visual and acoustic correct assembly controls
- Excellent resistance to ultra violet rays and weathering
- Highest impact resistance through fully closed design
- Highest conduit pull out strength
- Vibration-proof connection to PMA conduits
- Fits conduit profiles – fine (T) and coarse (G)
- To avoid accidental opening, disassembling only possible with a screwdriver



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01



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02

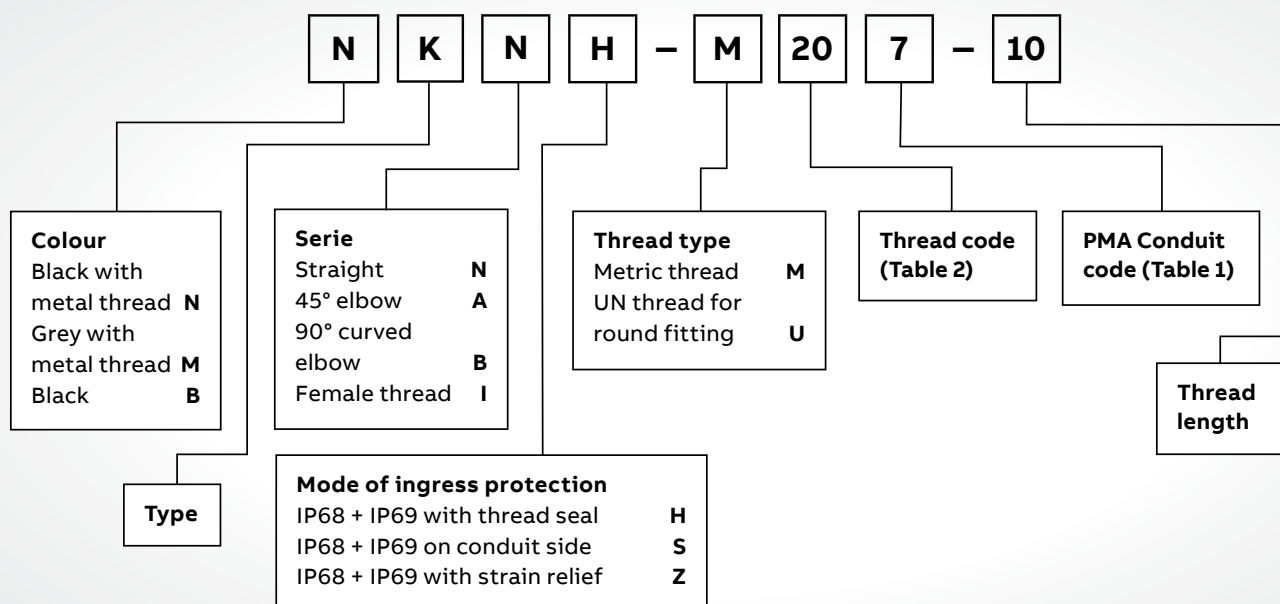
IP68 + IP69

Static + dynamic

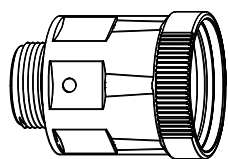
- Highest sealing through fully closed system also in highest dynamic applications
- Extra long ribbed sealing areas (cross linked material)
- 360° locking and sealing element shields against high pressure water jets (up to 100 bar)
- Content of delivery: Locking and sealing element and thread seal for male threads (O-Ring and/or flat gasket)

PMAFIX Pro

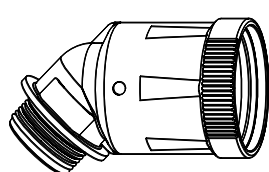
Part number codes



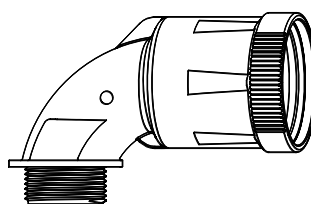
IP68 + IP69 PMAFIX Pro fittings



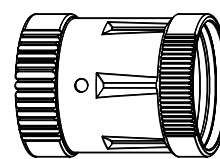
01



02



03



04

- 01 Straight (N)
- 02 45° elbow (A)
- 03 90° curved elbow (B)
- 04 Female thread (I)

PMAFIX Pro

Size codes, installation

Table 1: Conduit codes

Nominal width	Metric size	PMA code
10	12	0
12	16	2
17	20	7
23	25	3
29	32	9
36	40	6
48	50	8

Table 2: Thread codes

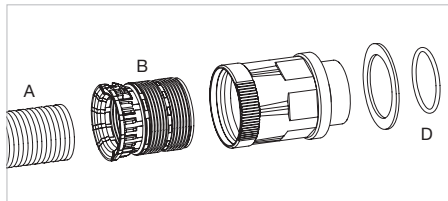
Thread Metric	PMA code
M12x1.5	M12
M16x1.5	M16
M20x1.5	M20
M25x1.5	M25
M32x1.5	M32
M40x1.5	M40
M50x1.5	M50
M63x1.5	M63

Thread UN	PMA code
7/8-20 UNEF	U21
1-20 UNEF	U24
1 3/16-18 UNEF	U29
1 1/2-18 UNEF	U35
1 3/4-18 UNS	U43
2-18 UNS	U50
2 1/4-16 UN	U56

Additional code for female thread fittings

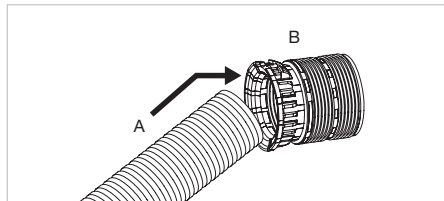
Type	PMA code
With O-ring groove (MIL C 5015)	G

Installation IP68 + IP69



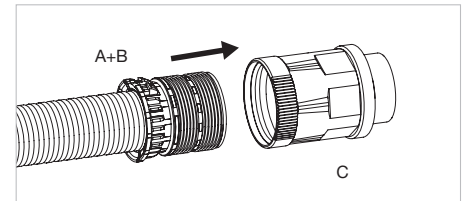
01

A = Corrugated conduit
B = Sealing and locking element
C = Fitting body
D = Thread seal (O-ring or flat gasket *)



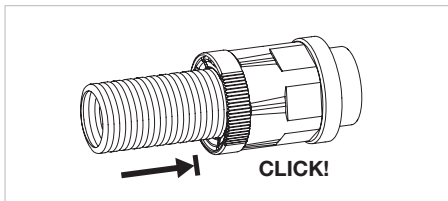
02

Place corrugated conduit (A) at a slight angle against the sealing element (B), then push right into the end.



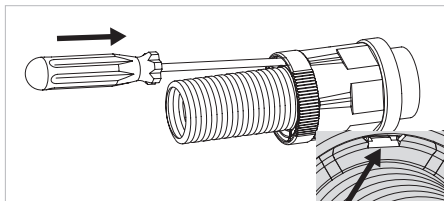
03

Push the conduit and sealing element (A+B) together into the outer body of the fitting (C). Water or a lubricating agent can help facilitate the push-in process.



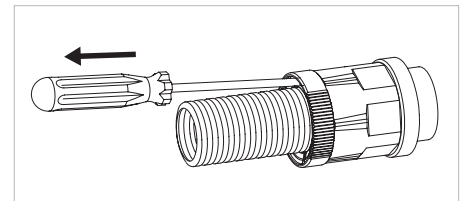
04

The locking mechanism engages when the sealing element is pushed in fully.



05

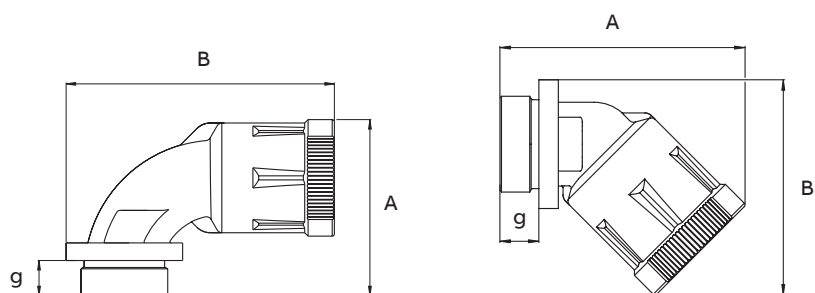
To disengage the locking mechanism introduce a size 1 screwdriver parallel to the conduit into the opening shown in the detail drawing.



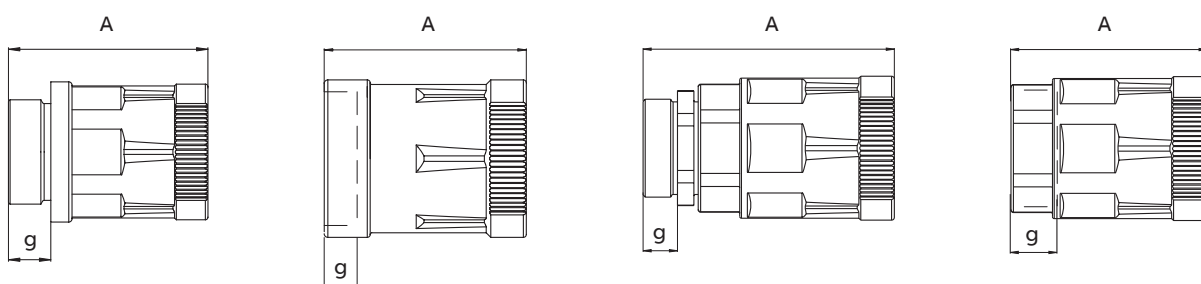
06

Pull the conduit and screwdriver out of the fitting together keeping the screwdriver parallel to the conduit.

Fitting dimensions



g = Thread length
A x B = External dimensions



g = Thread length
A = Overall length

PMAFIX Pro

Metric fittings, metal thread

Type KNH - Straight fitting, metric metal thread

	Order no. black IP68 + IP69	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NKNH-M120-10	M12 x 1.5	10	10.0	45.0	50
	NKNH-M160-10	M16 x 1.5	10	10.0	45.0	50
	NKNH-M162-10	M16 x 1.5	12	10.0	50.5	50
	NKNH-M202-10	M20 x 1.5	12	10.0	50.5	50
	NKNH-M207-10	M20 x 1.5	17	10.0	56.0	50
	NKNH-M257-11	M25 x 1.5	17	11.0	57.0	50
	NKNH-M253-11	M25 x 1.5	23	11.0	59.5	30
	NKNH-M323-13	M32 x 1.5	23	13.0	61.5	30
	NKNH-M329-13	M32 x 1.5	29	13.0	67.0	20
	NKNH-M409-13	M40 x 1.5	29	13.0	68.5	20
	NKNH-M406-13	M40 x 1.5	36	13.0	74.0	20
	NKNH-M506-14	M50 x 1.5	36	14.0	75.0	20
	NKNH-M508-14	M50 x 1.5	48	14.0	81.0	10
	NKNH-M638-14	M63 x 1.5	48	14.0	81.0	10

Approvals



For applications in railway vehicles and heavy machine construction
High thread and system connection strength

Metric fittings, metal thread

Type KNZ

Type KNZ - Straight fitting with strain relief, metric metal thread



	Order no. IP68 + IP69 Compl., black	Order no. fitting*	Order no. insert	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
KNZ, patent	NKNZ-M120/P1	NKNZ-M120R/P	EK150p7	M12 x 1.5	10	4.0–6.5	5.0	53.5	50
	NKNZ-M120/P2		EK150p8	M12 x 1.5	10	5.0–8.0	5.0	53.5	50
	NKNZ-M120/P3		EK150p9	M12 x 1.5	10	6.5–9.5	5.0	53.5	50
	NKNZ-M160/P1	NKNZ-M160R/P	E150p7	M16 x 1.5	10	4.0–6.5	6.0	54.5	50
	NKNZ-M160/P2		E150p8	M16 x 1.5	10	5.0–8.0	6.0	54.5	50
	NKNZ-M160/P3		E150p9	M16 x 1.5	10	6.5–9.5	6.0	54.5	50
	NKNZ-M202/P1	NKNZ-M202R/P	E152p7	M20 x 1.5	12	4.0–6.5	6.5	60.5	50
	NKNZ-M202/P3		E152p9	M20 x 1.5	12	6.5–9.5	6.5	60.5	50
	NKNZ-M202/P4		E152p11	M20 x 1.5	12	7.0–10.5	6.5	60.5	50
	NKNZ-M207/P3	NKNZ-M207R/P	E152p9	M20 x 1.5	17	6.5–9.5	6.5	66.5	50
	NKNZ-M207/P4		E152p11	M20 x 1.5	17	7.0–10.5	6.5	66.5	50
	NKNZ-M207/P5		E152p13	M20 x 1.5	17	9.0–13.0	6.5	66.5	50
	NKNZ-M257/P4	NKNZ-M257R/P	E153p11	M25 x 1.5	17	7.0–10.5	7.5	67.5	50
	NKNZ-M257/P5		E153p13	M25 x 1.5	17	9.0–13.0	7.5	67.5	50
	NKNZ-M257/P6		E153p16	M25 x 1.5	17	11.5–15.5	7.5	67.5	50
	NKNZ-M253/P5	NKNZ-M253R/P	EK154p13	M25 x 1.5	23	9.0–13.0	7.5	75.0	30
	NKNZ-M253/P6	NKNZ-M253R1/P	EK154p16	M25 x 1.5	23	11.5–15.5	7.5	75.0	30
	NKNZ-M323/P2	NKNZ-M323R/P	E154p13	M32 x 1.5	23	9.0–13.0	8.0	76.0	30
	NKNZ-M323/P4		E154p18	M32 x 1.5	23	14.0–18.0	8.0	76.0	30
	NKNZ-M323/P5	NKNZ-M323R1/P	E154p20	M32 x 1.5	23	17.0–20.5	8.0	76.0	30
	NKNZ-M329/P2	NKNZ-M329R/P	EK155p18	M32 x 1.5	29	14.0–18.0	8.0	83.0	20
	NKNZ-M329/P3		EK155p20	M32 x 1.5	29	17.0–20.5	8.0	83.0	20
	NKNZ-M329/P4		EK155p25	M32 x 1.5	29	20.0–25.0	8.0	83.0	20
	NKNZ-M409/P1	NKNZ-M409R/P	E155p16	M40 x 1.5	29	11.5–15.5	8.0	83.0	20
	NKNZ-M409/P2		E155p18	M40 x 1.5	29	14.0–18.0	8.0	83.0	20
	NKNZ-M409/P3		E155p20	M40 x 1.5	29	17.0–20.5	8.0	83.0	20
	NKNZ-M409/P4		E155p25	M40 x 1.5	29	20.0–25.0	8.0	83.0	20
	NKNZ-M409/P5		E155p28	M40 x 1.5	29	24.0–28.0	8.0	83.0	20
	NKNZ-M406/P1	NKNZ-M406R/P	E156p25HF	M40 x 1.5	36	20.0–25.0	9.0	87.5	20
	NKNZ-M406/P2		EK156p28	M40 x 1.5	36	24.0–28.0	9.0	87.5	20
	NKNZ-M506/P1	NKNZ-M506R/P	E156p32	M50 x 1.5	36	27.0–32.0	10.0	90.0	20
	NKNZ-M506/P3		E156p36	M50 x 1.5	36	32.0–36.0	10.0	90.0	20
	NKNZ-M508/P2	NKNZ-M508R/P	E157p36HF	M50 x 1.5	48	32.0–36.0	10.0	100.0	10
	NKNZ-M508/P3		E157p40HF	M50 x 1.5	48	36.0–40.0	10.0	100.0	10
	NKNZ-M638/P1	NKNZ-M638R/P	E158pm1x35	M63 x 1.5	48	32.0–35.0	10.0	100.0	10
	NKNZ-M638/P2		E158p44	M63 x 1.5	48	39.0–44.0	10.0	100.0	10

Approvals



* without insert

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Sealing inserts are made from TPE-V

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

Note: For several conductors multiple sealing inserts MDE are available. R/P version of fitting has to be used in combination with multiple sealing inserts

Metric fittings, metal thread

Type KNZ

Type KNZ - Straight fitting with strain relief, metric long metal thread



	Order no. IP68 + IP69 Compl., black	Order no. fitting*	Order no. insert	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NKNZ-M160/P1-L	NKNZ-M160R/P-L	E150p7	M16 x 1.5	10	4.0–6.5	15.0	63.5	50
	NKNZ-M160/P2-L		E150p8	M16 x 1.5	10	5.0–8.0	15.0	63.5	50
	NKNZ-M160/P3-L		E150p9	M16 x 1.5	10	6.5–9.5	15.0	63.5	50
	NKNZ-M202/P1-L	NKNZ-M202R/P-L	E152p7	M20 x 1.5	12	4.0–6.5	15.0	69.0	50
	NKNZ-M202/P3-L		E152p9	M20 x 1.5	12	6.5–9.5	15.0	69.0	50
	NKNZ-M202/P4-L		E152p11	M20 x 1.5	12	7.0–10.5	15.0	69.0	50
	NKNZ-M207/P3-L	NKNZ-M207R/P-L	E152p9	M20 x 1.5	17	6.5–9.5	15.0	75.0	50
	NKNZ-M207/P4-L		E152p11	M20 x 1.5	17	7.0–10.5	15.0	75.0	50
	NKNZ-M207/P5-L		E152p13	M20 x 1.5	17	9.0–13.0	15.0	75.0	50
	NKNZ-M257/P5-L	NKNZ-M257R/P-L	E153p13	M25 x 1.5	17	9.0–13.0	15.0	75.0	50
	NKNZ-M257/P6-L		E153p16	M25 x 1.5	17	11.5–15.5	15.0	75.0	50
	NKNZ-M323/P2-L	NKNZ-M323R/P-L	E154p13	M32 x 1.5	23	9.0–13.0	15.0	83.0	30
	NKNZ-M323/P4-L		E154p18	M32 x 1.5	23	14.0–18.0	15.0	83.0	30
	NKNZ-M323/P5-L	NKNZ-M323R1/P-L	E154p20	M32 x 1.5	23	17.0–20.5	15.0	83.0	30
	NKNZ-M329/P2-L	NKNZ-M329R/P-L	EK155p18	M32 x 1.5	29	14.0–18.0	15.0	90.0	20
	NKNZ-M329/P3-L		EK155p20	M32 x 1.5	29	17.0–20.5	15.0	90.0	20
	NKNZ-M409/P3-L	NKNZ-M409R/P-L	E155p20	M40 x 1.5	29	17.0–20.5	15.0	90.0	20
	NKNZ-M409/P4-L		E155p25	M40 x 1.5	29	20.0–25.0	15.0	90.0	20
	NKNZ-M409/P5-L		E155p28	M40 x 1.5	29	24.0–28.0	15.0	90.0	20
	NKNZ-M506/P1-L	NKNZ-M506R/P-L	E156p32	M50 x 1.5	36	27.0–32.0	15.0	95.0	20
	NKNZ-M506/P3-L		E156p36	M50 x 1.5	36	32.0–36.0	15.0	95.0	20
Approvals 	NKNZ-M508/P2-L	NKNZ-M508R/P-L	E157p36HF	M50 x 1.5	48	32.0–36.0	15.0	105.0	10
	NKNZ-M508/P3-L		E157p40HF	M50 x 1.5	48	36.0–40.0	15.0	105.0	10
	NKNZ-M638/P1-L	NKNZ-M638R/P-L	E158pm1x35	M63 x 1.5	48	32.0–35.0	15.0	105.0	10
	NKNZ-M638/P2-L		E158p44	M63 x 1.5	48	39.0–44.0	15.0	105.0	10

* without insert

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Sealing inserts are made from TPE-V

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

Note: For several conductors multiple sealing inserts MDE are available. R/P version of fitting has to be used in combination with multiple sealing inserts

Metric fittings, metal thread

Type KNZ

Type KNZ - Straight fitting with strain relief, metric metal thread

	Order no. IP68 + IP69 Compl., black	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NKNZ-M160S-5	M16 x 1.5	10	5.0–9.0	5.0	59.0	50
	NKNZ-M162S-5	M16 x 1.5	12	5.0–9.0	5.0	64.5	50
	NKNZ-M202S-10	M20 x 1.5	12	9.0–13.0	10.0	72.0	50
	NKNZ-M202S-6	M20 x 1.5	12	9.0–13.0	6.0	68.0	50
	NKNZ-M207S-10	M20 x 1.5	17	9.0–13.0	10.0	77.5	50
	NKNZ-M207S-6	M20 x 1.5	17	9.0–13.0	6.0	73.5	50
	NKNZ-M257S-11	M25 x 1.5	17	11.0–16.0	11.0	79.0	50
	NKNZ-M257S-7	M25 x 1.5	17	11.0–16.0	7.0	75.0	50
	NKNZ-M253S-11	M25 x 1.5	23	11.0–16.0	11.0	81.0	30
	NKNZ-M253S-7	M25 x 1.5	23	11.0–16.0	7.0	77.0	30
	NKNZ-M323S-13	M32 x 1.5	23	14.0–21.0	13.0	90.0	30
	NKNZ-M323S-8	M32 x 1.5	23	14.0–21.0	8.0	85.0	30
	NKNZ-M329S-13	M32 x 1.5	29	14.0–21.0	13.0	94.5	20
	NKNZ-M329S-8	M32 x 1.5	29	14.0–21.0	8.0	89.5	20
	NKNZ-M409S-13	M40 x 1.5	29	19.0–27.0	13.0	95.5	20
	NKNZ-M409S-8	M40 x 1.5	29	19.0–27.0	8.0	90.5	20
	NKNZ-M406S-13	M40 x 1.5	36	19.0–27.0	13.0	100.0	20
	NKNZ-M406S-8	M40 x 1.5	36	19.0–27.0	8.0	95.0	20
	NKNZ-M506S-14	M50 x 1.5	36	24.0–35.0	14.0	108.5	20
	NKNZ-M506S-9	M50 x 1.5	36	24.0–35.0	9.0	103.5	20
	NKNZ-M508S-14	M50 x 1.5	48	24.0–35.0	14.0	114.5	10
	NKNZ-M508S-9	M50 x 1.5	48	24.0–35.0	9.0	109.5	10
	NKNZ-M638S-14	M63 x 1.5	48	32.0–42.0	14.0	116.0	10
	NKNZ-M638S-10	M63 x 1.5	48	32.0–42.0	10.0	112.0	10

Approvals



For applications in railway vehicles and heavy machine construction
 For the separation of damp and dry areas
 Very high impact resistance
 With integrated strain relief for optimal ingress protection at the cable (up to IP68 / 5 bar)
 High thread and system connection strength
 Vibration-resistant connection to PMA conduits
 Easy push-in assembly for maximum installation reliability
 Screwdriver required for dismantling, impeding unauthorised or accidental opening
 Space-saving dismantling
 Excellent conduit pull-out strength

Metric fittings, metal thread

Type KAH & KBH

Type KAH - 45° elbow fitting, metric metal thread

	Order no. black IP68 + IP69	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
KAH, patent 	NKAH-M120-10	M12 x 1.5	10	10.0	55.5 x 43.0	50
	NKAH-M160-10	M16 x 1.5	10	10.0	55.5 x 45.0	50
	NKAH-M162-10	M16 x 1.5	12	10.0	62.5 x 50.0	50
	NKAH-M202-10	M20 x 1.5	12	10.0	62.5 x 52.0	50
	NKAH-M207-10	M20 x 1.5	17	10.0	71.0 x 59.5	50
	NKAH-M257-11	M25 x 1.5	17	11.0	72.0 x 62.5	50
	NKAH-M253-11	M25 x 1.5	23	11.0	80.0 x 68.0	30
	NKAH-M323-13	M32 x 1.5	23	13.0	82.0 x 72.0	30
	NKAH-M329-13	M32 x 1.5	29	13.0	93.0 x 79.5	20
	NKAH-M409-13	M40 x 1.5	29	13.0	94.5 x 85.5	20
Approvals 	NKAH-M406-13	M40 x 1.5	36	13.0	105.5 x 93.5	20
	NKAH-M506-14	M50 x 1.5	36	14.0	106.5 x 98.5	20
	NKAH-M508-14	M50 x 1.5	48	14.0	120.0 x 111.0	10
	NKAH-M638-14	M63 x 1.5	48	14.0	120.0 x 114.0	10

For applications in railway vehicles and heavy machine construction
High thread and system connection strength

Type KBH - 90° curved elbow fitting, metric metal thread

	Order no. black IP68 + IP69	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
KBH, patent 	NKBH-M120-10	M12 x 1.5	10	10.0	44.0 x 62.5	50
	NKBH-M160-10	M16 x 1.5	10	10.0	44.0 x 64.5	50
	NKBH-M162-10	M16 x 1.5	12	10.0	47.5 x 72.0	50
	NKBH-M202-10	M20 x 1.5	12	10.0	47.5 x 74.0	50
	NKBH-M207-10	M20 x 1.5	17	10.0	53.0 x 81.0	50
	NKBH-M257-11	M25 x 1.5	17	11.0	54.0 x 84.0	50
	NKBH-M253-11	M25 x 1.5	23	11.0	63.0 x 92.0	30
	NKBH-M323-13	M32 x 1.5	23	13.0	65.0 x 96.0	30
	NKBH-M329-13	M32 x 1.5	29	13.0	75.0 x 108.0	20
	NKBH-M409-13	M40 x 1.5	29	13.0	76.5 x 114.0	20
Approvals 	NKBH-M406-13	M40 x 1.5	36	13.0	87.5 x 126.0	20
	NKBH-M506-14	M50 x 1.5	36	14.0	88.5 x 131.0	20
	NKBH-M508-14	M50 x 1.5	48	14.0	101.0 x 145.5	10
	NKBH-M638-14	M63 x 1.5	48	14.0	101.0 x 148.5	10

For applications in railway vehicles and heavy machine construction
High thread and system connection strength
Smooth elbow allows easy threading of wires and cables

UNEF fittings, female polyamide thread

Type KIHG

Type KIHG - Straight fitting, UN female polyamide thread for MIL-C5015

	Order no. black IP68 + IP69	Thread UN	Shell size MIL	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
KIHG, patent 	BKIHG-U212	7/8"-20 UNEF	16	12	9.0	47.0	50
	BKIHG-U217	7/8"-20 UNEF	16	17	9.0	52.5	50
	BKIHG-U242	1"-20 UNEF	18	12	9.0	47.0	50
	BKIHG-U247	1"-20 UNEF	18	17	9.0	52.5	30
	BKIHG-U243	1"-20 UNEF	18	23	9.0	55.5	50
	BKIHG-U292	1 3/16"-18 UNEF	20	12	9.0	50.5	50
	BKIHG-U297	1 3/16"-18 UNEF	20	17	9.0	52.5	30
	BKIHG-U293	1 3/16"-18 UNEF	20	23	9.0	55.5	50
	BKIHG-U299	1 3/16"-18 UNEF	20	29	9.0	61.0	20
	BKIHG-U357	1 7/16"-18 UNEF	24	17	9.0	58.0	30
	BKIHG-U353	1 7/16"-18 UNEF	24	23	9.0	55.5	50
	BKIHG-U359	1 7/16"-18 UNEF	24	29	9.0	61.0	20
	BKIHG-U433	1 3/4"-18 UNS	32	23	10.0	62.5	30
	BKIHG-U439	1 3/4"-18 UNS	32	29	10.0	62.0	20
	BKIHG-U503	2"-18 UNS	36	23	10.0	67.0	30
	BKIHG-U509	2"-18 UNS	36	29	10.0	67.5	20
	BKIHG-U506	2"-18 UNS	36	36	10.0	67.0	10
	BKIHG-U508	2"-18 UNS	36	48	10.0	73.5	20
	BKIHG-U566	2 1/4"-16 UN	40	36	10.0	72.0	20
	BKIHG-U568	2 1/4"-16 UN	40	48	10.0	73.5	10
Approvals							
							

For applications in railway vehicles and heavy machine construction
Suitable for MIL fittings, series C5015

Metric fittings, female metal thread

Type KIS

Type KIS - Straight fitting, metric metal female thread

	Order no. black IP68 + IP69	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
KIS, patent 	NKIS-M162	M16 x 1.5	12	9.0	49.0	50
	NKIS-M207	M20 x 1.5	17	10.5	56.0	50
	NKIS-M253	M25 x 1.5	23	10.5	58.5	30
	NKIS-M329	M32 x 1.5	29	11.0	65.5	20
	NKIS-M406	M40 x 1.5	36	13.5	72.0	20
	NKIS-M508	M50 x 1.5	48	15.0	83.0	10
	NKIS-M638	M63 x 1.5	48	17.5	84.0	10

Approvals



For applications in railway vehicles and heavy machine construction
 High thread and system connection strength
 No seal on female thread side

Connectors nylon straight fitting

Type JKNH & JKBH

Type JKNH - Connector two-piece, straight, IP69, metric thread

	Order no. blue	Thread size metric	Fits to conduit size NW	Dimensions					Weight kg/100 pcs	Packing unit/pcs
				g (mm)	Ø ID (mm)	Ø D (mm)	L max. (mm)	sw (mm)		
	JKNH-M162	M16 x 1.5	12	11.0	11.0	28.5	47.5	25	0.8	10
	JKNH-M202	M20 x 1.5	12	12.5	11.0	28.5	47.5	25	0.9	10
	JKNH-M207	M20 x 1.5	17	14.5	11.0	35.0	53.5	32	1.4	10
	JKNH-M257	M25 x 1.5	17	16.5	12.0	35.0	54.5	32	1.5	10
	JKNH-M253	M25 x 1.5	23	19.0	12.0	42.0	57.0	38	1.7	10
	JKNH-M323	M32 x 1.5	23	23.0	15.0	43.0	60.5	38	2.0	10
	JKNH-M329	M32 x 1.5	29	26.0	15.0	51.5	65.5	46	3.2	10
	JKNH-M409	M40 x 1.5	29	29.0	19.0	51.5	69.5	46	3.7	10
	JKNH-M406	M40 x 1.5	36	32.0	19.0	65.0	75.0	60	5.9	10
	JKNH-M506	M50 x 1.5	36	37.5	19.0	65.0	75.0	60	6.2	10
JKNH-M508	M50 x 1.5	48	42.0	19.0	75.0	81.0	70	7.5	10	
JKNH-M638	M63 x 1.5	48	48.5	19.0	75.0	81.0	70	7.8	10	

US

NSF

certified

ECOLAB

Approvals



Very high impact resistance - easy push-in assembly
Corrosion-free
Excellent conduit pull-out strength
IP69 system protection for indoor splash zone areas

Type JKBH - 90° curved elbow, IP69, metric thread

	Order no. blue	Thread size metric	Fits to conduit size NW	Dimensions								Weight kg/100 pcs	Packing unit/pcs
				g (mm)	d1 (mm)	d2 (mm)	d3 (mm)	SW (mm)	A (mm)	B (mm)	R (mm)		
	JKBH-M162	M16 x 1.5	12	11	8.0	28.5	24.0	15.0	44.5	72.0	28.0	1.5	10
	JKBH-M202	M20 x 1.5	12	11	11.8	28.5	28.0	15.0	44.5	74.0	28.0	1.3	10
	JKBH-M207	M20 x 1.5	17	11	11.5	35.0	29.0	20.0	50.0	81.0	29.5	2.5	10
	JKBH-M257	M25 x 1.5	17	12	16.5	35.0	35.0	20.0	51.0	84.0	29.5	2.2	10
	JKBH-M253	M25 x 1.5	23	12	16.0	43.0	35.0	26.0	59.5	92.0	35.0	3.9	10
	JKBH-M323	M32 x 1.5	23	15	22.5	43.0	40.0	26.0	63.0	94.5	35.0	3.2	10
	JKBH-M329	M32 x 1.5	29	15	23.0	51.5	43.0	33.0	73.0	108.0	41.5	6.8	10
	JKBH-M409	M40 x 1.5	29	19	28.5	51.5	51.0	33.0	77.0	112.0	41.5	6.0	10
	JKBH-M406	M40 x 1.5	36	19	29.5	60.5	55.0	41.0	87.5	126.0	49.0	11.0	10
	JKBH-M506	M50 x 1.5	36	19	37.0	60.5	59.0	41.0	87.5	128.0	49.0	9.0	10
	JKBH-M508	M50 x 1.5	48	19	38.5	73.0	69.0	46.0	100.5	145.5	55.5	18.0	10
	JKBH-M638	M63 x 1.5	48	19	48.0	73.0	75.0	55.0	100.5	148.5	55.5	14.0	10

Approvals



Very high impact resistance - easy push-in assembly
Corrosion-free
Excellent conduit pull-out strength
IP69 system protection for indoor splash zone areas