



PBD

fuse bases

- designed for distribution of electricity and protection of electrical equipment against short-circuits and overloads with industrial fuse links

CONSTRUCTION & APPLICATIONS

PBD fuse base consist of flame retardant thermoplastic base with spring-loaded contacts designed to be engaged with the blade contacts of NH fuse link. Contacts of sizes 00, 1, 2 are tin plated, contacts of size 3 are silver plated. On request contacts of sizes 00, 1, 2 are plated with silver.

PBD fuse-bases are designed for installation indoors, in environment free of dust, aggressive or explosive gases:

- junction boxes,
- supply points,
- distribution boards,
- capacitor bank protection.

OPERATING CONDITIONS

- altitude up to 2000 meters above sea level,
- ambient temperature from -25°C to +55°C,
- for outdoors installation PBD fuse basess should be mounted in cabinets with protection degree IP34 or higher.

CONFORMITY WITH STANDARDS

IEC 60269-1, PN-HD 60269-2:2008, PN-EN 60269-1:2010

VERSIONS

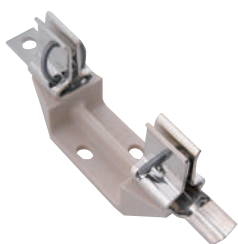
PBD fuse bases are designed for fuse links size 00-3. There are following versions:

- size 00 - 160 A
 - with double side screw terminals for lug terminal or busbar - fuse base 1-pole PBD 00, fuse base 3-poles PBD 003 HH,
 - with V-terminal from one side and screw terminal from opposite side - fuse base 1-pole PBD 00-1V, fuse base 3-poles PBD 00 3-1V,
 - with both sides V-terminals - fuse base 1-pole PBD 00-2V, fuse base 3-poles PBD 00 3-VV,
 - the possibility of using fuse links size 00 and 000.
- size 1 – 250 A
 - with double side screw terminals for lug terminal or busbar - fuse base 1-pole PBD 1, fuse base 3-poles PBD 13,
 - with V-terminal from one side and screw terminal from opposite side - fuse base 1-pole PBD 1-1V, fuse base 3-poles PBD 13-1V,
 - with both sides V-terminals - fuse base 1-pole PBD 1-2V, fuse base 3-poles PBD 13-2V.
- size 2 – 400 A
 - with double side screw terminals for lug terminal - fuse base PBD 2,
 - with V-terminal from one side and screw terminal from opposite side - fuse base PBD 2-1V,
 - with both sides V-terminals - fuse base PBD 2-2V.
- size 3 – 630 A
 - with double side screw terminals for lug terminal - fuse base PBD 3.

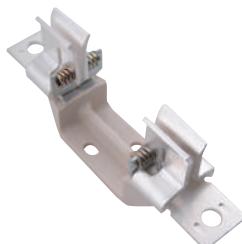
V-terminals with V-clamps enable connection of circular or sector-shaped conductors.



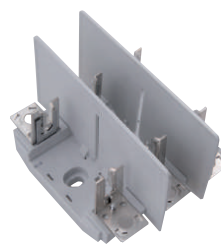
PBD 1-2V



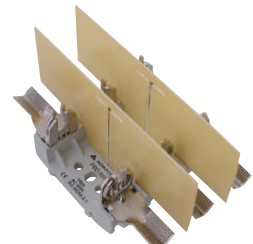
PBD 2-1V



PBD 3

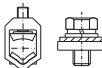
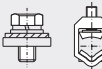
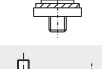
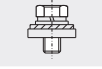


PBD 003 HH



PBD 003 VV

Table 108. PBD fuse bases for WTNH fuse links

Article	Size	Rated current	Rated shortcircuit withstand current	Cable terminal	Rated power dissipation	Max crosssection of cable conductors	Weight [g]	Article No.
PBD 00	00	160 A	25 kA	screw terminals 	12 W	70 mm ²	90	1115281070T
PBD00VV	00	160 A	25 kA	V-terminals 	12 W	120 mm ²	90	1115281071T
PBD 00-1V	00	160 A	25 kA	Screw terminal, V-terminal 	12 W	70 mm ² 120 mm ²	90	1115281073T
PBD 003 HH	00	160 A	25 kA	screw terminals 	3 x 12 W	50 mm ²	500	1115 2810 42T
PBD 003 + shroud	00	160 A	25 kA	screw terminals 	3 x 12 W	50 mm ²	500	1115 2810 72T
PBD 003 1-V	00	160 A	25 kA	Screw terminal, V-terminal 	3 x 12 W	50 mm ²	500	1115 2810 80T
PBD 003 VV	00	160 A	25 kA	V-terminals 	3 x 12 W	120 mm ²	400	1115 2810 43T
PBD 1	1	250 A	40 kA	screw terminals 	32 W	120 mm ²	370	63-820991-011
PBD 1-1V	1	250 A	40 kA	Screw terminal, V-terminal 	32 W	120 mm ²	370	63-820991-021
PBD 1-2V	1	250 A	40 kA	V-terminals 	32 W	120 mm ²	370	63-820991-031
PBD 13	1	250 A	40 kA	screw terminals 	3 x 32 W	120 mm ²	1140	63-820995-011
PBD 13-1V	1	250 A	40 kA	Screw terminal, V-terminal 	3 x 32 W	120 mm ²	1120	63-820995-021
PBD 13-2V	1	250 A	40 kA	V-terminals 	3 x 32 W	120 mm ²	1140	63-820995-031
PBD 2	2	400 A	50 kA	screw terminals 	45 W	240 mm ²	520	63-820992-011
PBD 2-1V	2	400 A	50 kA	Screw terminal, V-terminal 	45 W	240 mm ²	520	63-820992-021
PBD 2-2V	2	400 A	50 kA	V-terminals 	45 W	240 mm ²	520	63-820992-031
PBD 3	3	630 A	65 kA	screw terminals 	60 W	240 mm ²	810	63-820998-011

PBD fuse bases are made of self extinguishing, fibre glass strenghtened polyester. Mechanical durability: 250 cycles.

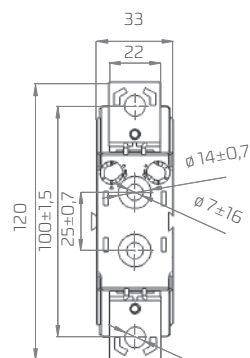
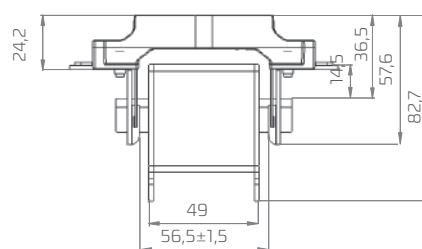
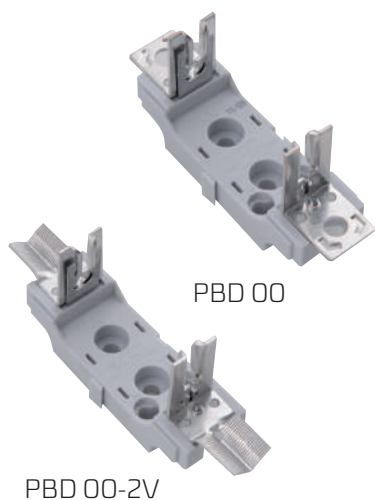
Delivered with set of:

- screws for screw terminals insulation barriers
- for 3 - pole fuse bases e.g. PBD 003, PBD13

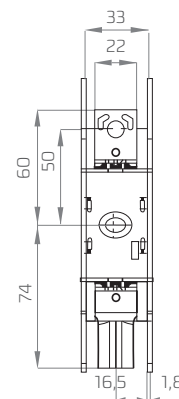
PBD fuse base size	Tightening torque (Nm)	
		
00 \ 003	10	20
1	32	30
2	32	30
3	56	30

DIMENSIONS OF PBD FUSE BASES

PBD fuse bases of size 00 - 1 - pole

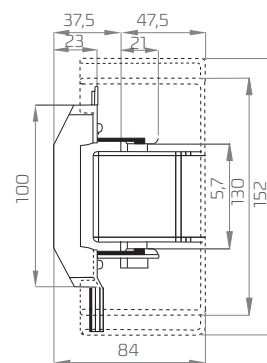
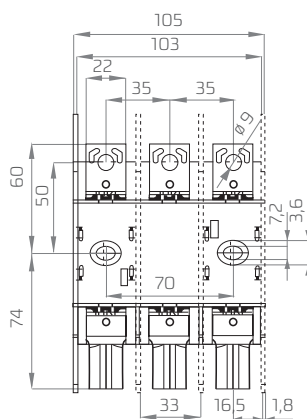
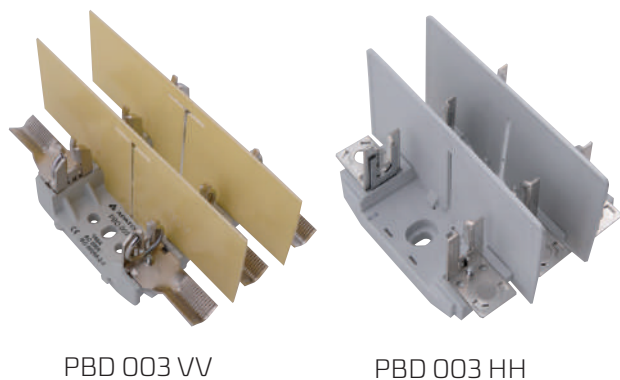


PBD 00



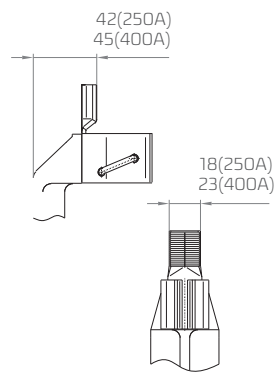
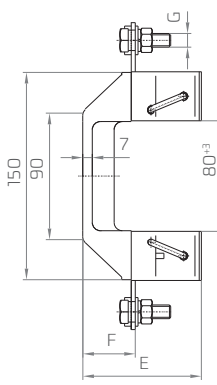
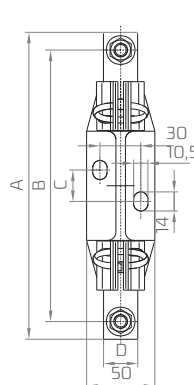
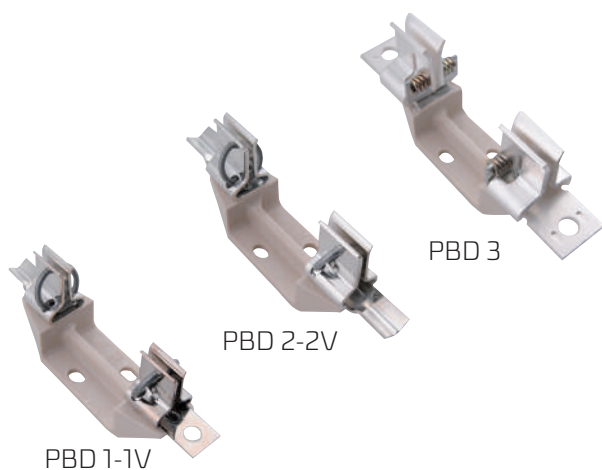
PBD 00-1V

PBD fuse bases of size 00 - 3 - pole



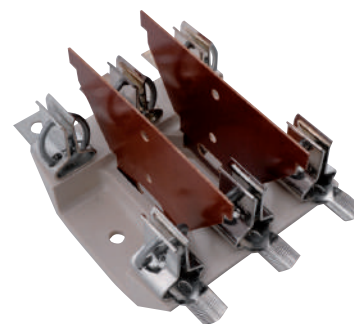
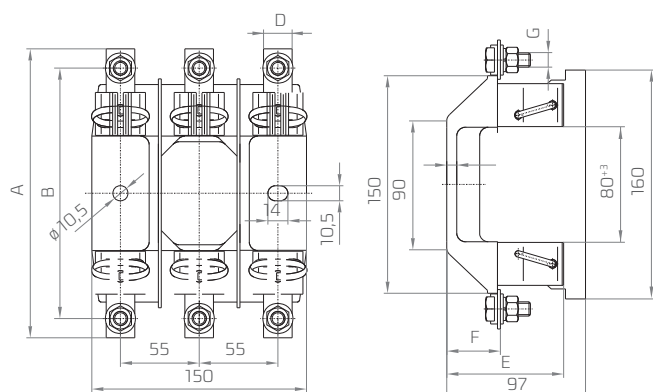
PBD 003-1V

PBD fuse bases of size 1, 2, 3 - 1- pole



Article	Dimension [mm]						
	A	B	C	D	E	F	G
PBD 1	200	175	23	25	82	37	M10
PBD 1-1V	200	—	23	25	82	37	M10
PBD 1-2V	200	—	23	—	82	—	—
PBD 2	225	200	23	25	88	38	M10
PBD 2-1V	225	—	23	25	88	38	M10
PBD 2-2V	225	—	23	—	88	—	—
PBD 3	240	210	23	40	95	39	M12

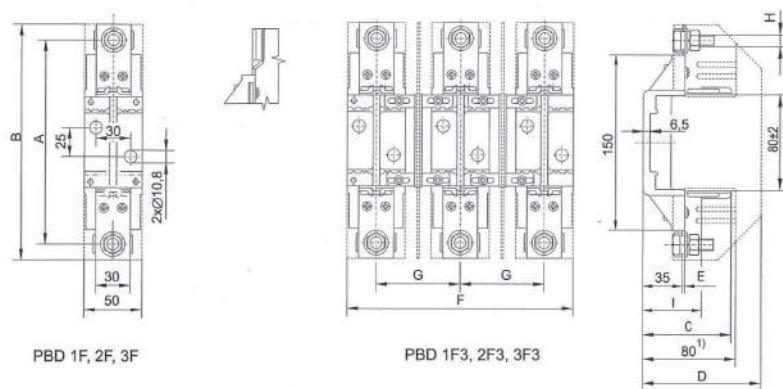
PBD fuse bases of size 1, 2, 3 - 3 - poles



PBD 13-1V

Article	Dimension [mm]						
	A	B	C	D	E	F	G
PBD 13	200	175	—	—	82	37	M10
PBD 13-1V	—	—	—	—	82	37	M10
PBD 13-2V	—	—	—	—	82	—	—

PBD F fuse bases of size 1, 2, 3 - 1 pole and 3 poles



PBD 1F, 2F, 3F

PBD 1F3, 2F3, 3F3

Article No.	Article	Dimension [mm]								
		A	B	C	D	E	F	G	H	I
63-822369-011	PBD 1F	175	202	76	-	2	-	-	M10	48
63-822369-021	PBD 1F3				102		165	57,5		
63-822266-011	PBD 2F	200	230	84	-	2,5	-	-		
63-822266-021	PBD 2F3				110		180	65		
63-822268-011	PBD 3F	210	238	93	-	5	-	-	M12	50,5
63-822268-021	PBD 3F3				126		210	80		

ACCESORIES FOR PBD FUSE BASES

V-clamps, HS V-clamps (steel)

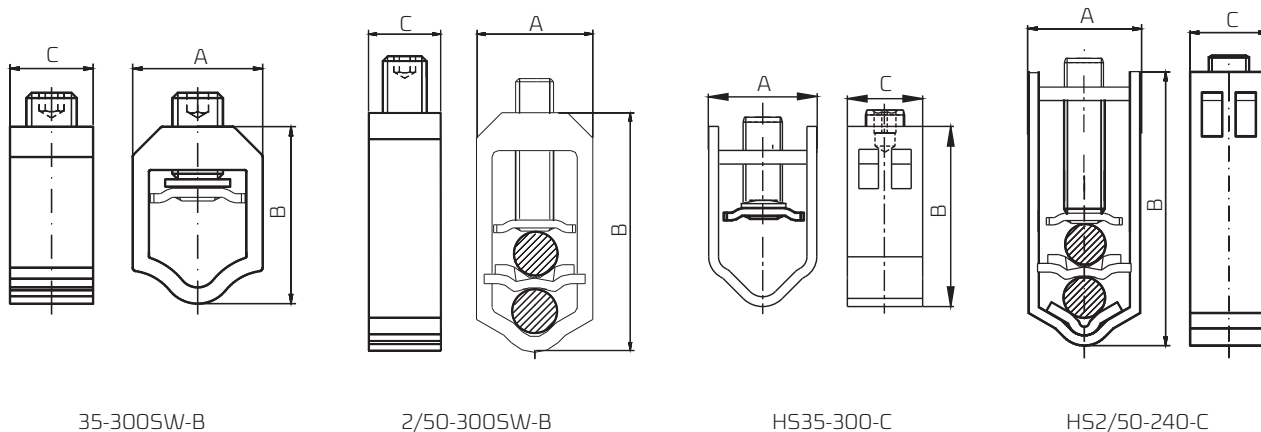
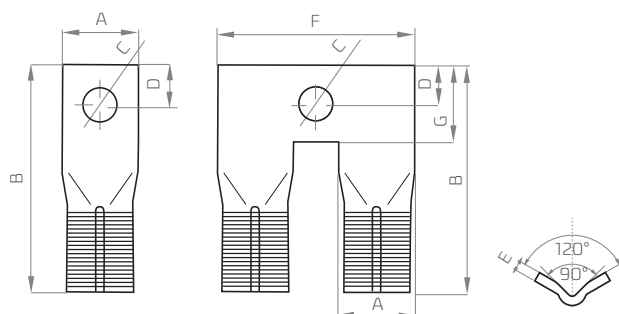


Table 109. V-clamps

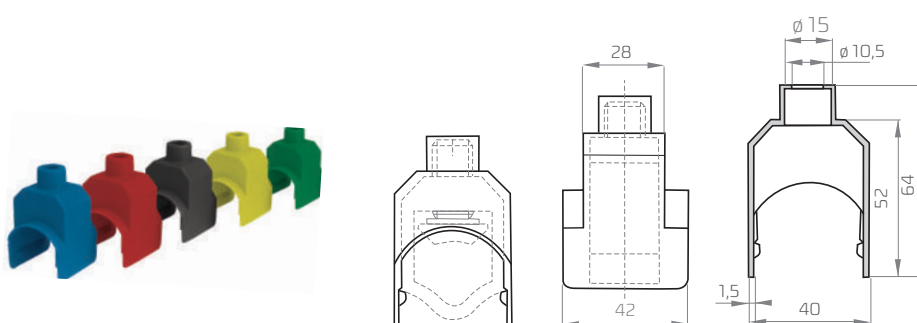
	Article	Cross-section of cable conductor [mm ²]				Dimension [mm]			Tightening torque	Material	Weight [g]	Article No.
		re 	se 	rm 	sm 	width [A]	height [B]	depth [C]				
	25-150 SW	16÷95	25÷150	16÷95	25÷150	28	38	18,5	20 Nm	alu.	48	1119510091T
	HM 10-120	10÷70	25÷120	10÷70	25÷95	28	38	18,5	15 Nm	steel	48	1119510077T
	2/25-120SW	16÷95	25÷120	16÷95	25÷120	27,5	58	18,5	30 Nm	alu.	87	1119510006T
	35-300SW-B	35÷240	35÷300	35÷185	35÷240	36	49	23	30 Nm	alu.	90	1119510081T
	2/50-300 SW-B	50÷240	50÷300	50÷185	50÷240	37	76	23	30 Nm	alu.	177	1119510082T
	HS 35-300-C	35÷240	35÷300	35÷185	35÷240	35	55	22	40 Nm	steel		1119510084T
	HS2/50-240-C	50÷240	50÷300	50÷185	50÷240	35	81	22	40 Nm	steel	228	1119510085T

Table 110. V-terminal lugs

	Article	Dimension [mm]							Material	Weight [g]	Article No.
		A	B	C	D	E	F	G			
	V-terminal lug VL120	20	65	10,5	10	3	—	—	Cu	32	1119510005T
	V-terminal lug VL240	25	75	13	11,5	5	—	—	Cu	75	1119510002T
	Double V-terminal lug C	25	75	10,7	12,5	3	65	25	Cu	107	1119510028T



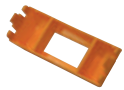
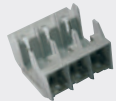
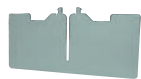
Shrouds for V-clamps



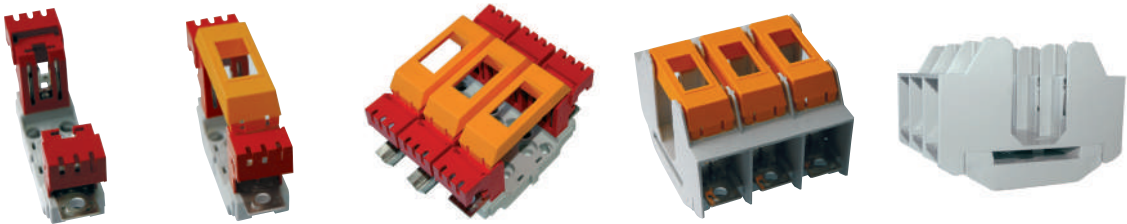
Shrouds for V-clamps 50-240SW i 70-300SW are available in colours: blue, red, black, yellow and green.

1119510018T-blue, 1119510019T-red, 1119510026T-black,
1119510044T-yellow, 1119510045T-green.

Table 111. PBD 00 accessories

Picture of Article	Description	Article No.
	Fuse-link shroud,	1115281078T
	Short shroud for contact and screw terminal	1115281076T
	Long shroud for contact and Vterminal clamp	1115281077T
	Shroud for 3-pole, size 00 fuse base with screw terminals	1115281079T
	Long insulation barrier for 3-pole fuse base with V-terminals	1115281074T

Examples of application



Universal earthing device UU00-3

Universal earthing device **UU00-3** is a portable device for temporary short-circuiting and earthing three phase AC low voltage circuit. Universal earthing device **UU00-3** is designed for earthing of solidly earthed neutral three phase systems or indirectly earthed neutral three phase systems. It is designed for mounting in place of fuse-links or for fixing to termination points with M10 thread.

Universal earthing device is designed for use with PBD fuse bases of all sizes (00 - 3).

Article No. : 1115281041T.



Pressed nuts

Available in sizes: M8, M10, M12

Article No. :

- M8 (for hole with diameter 10 H11) 0653518082T
- M10 (for hole with diameter 12,5 H11) 0653518084T
- M12 (for hole with diameter 14,5 H11) 0653518083T



Universal replacement handle for WTNH fuse links

Sizes 00, 1, 2, 3 according to DIN 43.620 part 1

Replacement handle is designed for replacement and handling of NH fuse-links.

Fireproof insulating sleeve attached to replacement handle allows safe fuse link replacement and handling under live or load conditions.

Article	Article No.	Pcs.
Replacement handle for WTNH 00, 1, 2, 3 fuse links	1115282186T	10
Replacement handle with sleeve	1115282187T	10

Solid links

Dimensions according to PN/EN 60269/DIN 43 620. Standard version - silver plated copper.

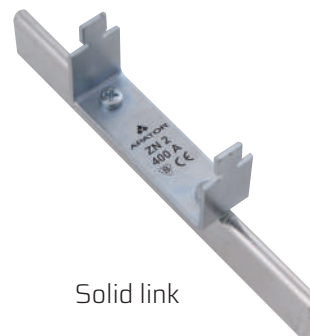
Article	Article No.	Pcs.
Solid link size ZN 00 - 160A	1115282188T	3
Solid link size ZN 1 - 250A	1115282189T	3
Solid link size ZN 2 - 400A	1115282190T	3
Solid link size ZN 3 - 630A	1115282191T	3



Replacement handle with sleeve for WTNH fuse links



Replacement handle



Solid link