# PBS vertical fuse rails 

self extinguishing thermoplastics with flame retardant - touch protection IP 20 with fuse link shrouds



## GENERAL INFORMATION

PBS fuse rails thanks to it's high technical standards are among top such products. They are approved and recognized by polish and foreign electricity boards and distribution boards manufacturers.

## APPLICATIONS

PBS fuse bases are designed for the distribution of electricity and protection against short circuits and overloads in three phase alternative current circuits with maximum operating voltage of 690 V . They are intended for direct installation on horizontal or vertical bus bar system. Due to their modern and compact design installing is easy and gives much saving of space in substations and distribution boards.
All technical parameters required by standards and requirements of the market were taken into account during design (conformity with EN 60269-1, EN 60269-2, IEC 60269). Several advices and remarks from business partners were also taken into account.

## CONSTRUCTION:

- plastic parts of PBS fuse rails are made of fibre glass strengthened, thermoplastic polyamides,
- silver plated contacts provide low power loss,
- all energized metal parts are fully protected against accidental touch.


## FUNCTIONALITY:

■ PBS FUSE RAILS are available in following sizes : 00-160 A; 2-400 A; 3-630 A,

- designed for installation on to 185 mm busbar system, size $00,1,2,3$,
- PBS 00/100 mm fuse rails are designed for installation on to 100 mm busbar system installation on to 185 mm busbar system is possible by using adapter,
■ fuse rails width: size 2, 3-100 mm, size $00-50 \mathrm{~mm}$,
- removal of the fuse link provides clearly noticeable, large isolating gap in the circuit,
- possible installation of various earthing devices,
- possible connection of circular or sector-shaped conductors with bare ends (V-terminals, 2V-terminals or conductors with lug terminals (screw terminals),
- touch protection IP 20 with fuse link shrouds for fuse rails of size 2, 3.

Table 56. PBS FUSE RAILS TECHNICAL DATA

| Parameters |  | PBS 00/100 mm | PBS 00-SM | PBS 2 | PBS 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Size |  | 00 | 00 | 2 | 3 |
| Rated thermal current $I_{\text {th }}=I_{n}$ | A | 160 | 160 | 400 | 630 |
| Rated voltage $\cup_{n}$ | V | 690 | 690 | 690 | 690 |
| Rated insulation voltage $\mathrm{U}_{\mathrm{i}}$ | V | 1000 | 1000 | 1000 | 1000 |
| Rated frequency | Hz | 50-60 | 50-60 | 50-60 | 50-60 |
| Rated power dissipation | W | 12 | 12 | 45 | 60 |
| Rated short-circuit withstand current | kA | 100 | 100 | 100 | 100 |
| Mechanical durability | Number of cycles | 100 | 100 | 100 | 100 |
| Weight | kg | 0,75 | 2,00 | 4,50 | 5,00 |
| IP degree of protection | IP | 00 | $20^{1)^{2)}}$ | 201) ${ }^{\text {2) }}$ | $20^{112)}$ |
| Size of fuse links |  | 00 | 00 | 1,2 | 3 |

* without fuse links instaled
* with fuse link shrouds


## OPERATING CONDITIONS

■ to be installed in the room free of any dust, aggressive or explosive gases,
■ altitude up to 2000 meters above sea level,

- outdoor - in cabinets with protection degree > IP 34,
- ambient temperature from $-25^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ - but in case of use of disconnectors in temperature from $+41^{\circ} \mathrm{C}$ to $+45^{\circ} \mathrm{C}$ current value lth should be reduced by $5 \%$ and within temperature range of $+46^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ current value Ith should be reduced by $10 \%$,
- relative humidity of the air should not be higher than $50 \%$ at temperature of $+40^{\circ} \mathrm{C}$.


## FUSE RAIL PBS 00/100 mm (160 A, 690 V)

For 100 mm busbar system


## DESCRIPTION

1. Main base
2. Protective contact cover
3. Terminal shroud
4. Busbar terminals acces covers
5. S-bridge clamp
6. M8 screw
7. V-shape clamp for sector-shaped conductor
8. Hooked clamp


PBS 00/100 mm ( 160 A, 690 V)
Table 57. TECHNICAL DATA

| $l l$ | Parameters | $00 / 100 \mathrm{~mm}$ |  |
| :--- | :---: | :---: | :---: |
| Size |  | 00 |  |
| Rated thermal current $\mathrm{I}_{\mathrm{th}}=\mathrm{I}_{\mathrm{n}}$ | A | 160 |  |
| Rated voltage $\mathrm{U}_{\mathrm{n}}$ | V | 690 |  |
| Rated insulation voltage $\mathrm{U}_{\mathrm{i}}$ | V | 1000 |  |
| Rated frequency | Hz | $50-60$ |  |
| Rated power dissipation | W | 12 |  |
| Rated short-circuit withstand current | kA | 100 |  |
| Mechanical durability | Number <br> of cycles | 100 |  |
| IP degree of protection | IP | 00 |  |
| Size of fuse links |  | 00 |  |

Accesories on page 76

PBS 00/100 mm
PBS 00/100 mm-V


Table 58. VERSIONS

| Version |  | Weight | Article No. |
| :--- | :--- | :---: | :---: |
| PBS 00/100 mm | cable terminals: bridge terminals with bridgeclamps (S) $4-70 \mathrm{~mm}^{2}$, screw terminals <br> with M8 screws | $1,0 \mathrm{~kg}$ | $63-811627-011$ |
| PBS 00/100 mm-V | cable terminals: V-terminals with V-clamps 25-120SW | $1,1 \mathrm{~kg}$ | $63-811627-021$ |
| PBS 00/100 mm-V | cable terminals: V-terminals, without V-clamps | $1,0 \mathrm{~kg}$ | $63-811627-041$ |

Table 59. PBS 00/100 mm TERMINAL CLAMPS

| Description | PBS 00/100 mm |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Clamp | S-bridge clamp $2 \times \mathrm{M} 5 \times 25$ | M8 screw* | V-clamp 25-120 SW | HM 10-120 |
| Picture of clamp |  |  |  |  |
| Drawing of clamp |  |  |  |  |
| Cross-section of conductors | 4-70 mm² | Conductor with lug terminal max $185 \mathrm{~mm}^{2}$ | $\begin{aligned} & \text { re } 16{m m^{2}-95 m^{2}}^{\text {se }} 25 m^{2}-120 m^{2} \\ & \hline \end{aligned}$ | re $10 m^{2}-70 m^{2}$ se $25 m^{2}-120 m^{2}$ |
|  |  |  | $\begin{aligned} & \mathrm{rm}: 16 \mathrm{~mm}^{2}-95 \mathrm{~mm}^{2} \\ & \mathrm{sm} 25 \mathrm{~mm}^{2}-120 \mathrm{~mm}^{2} \end{aligned}$ | $\begin{aligned} & \mathrm{rm}=10 \mathrm{~mm}^{2}-70 \mathrm{~mm}^{2} \\ & \mathrm{sm}=25 \mathrm{~mm}^{2}-95 \mathrm{~mm}^{2} \end{aligned}$ |
| Tightening torque | 3 Nm** | 12 Nm** | 20 Nm** | 15 Nm** |

For stranded conductors using cable ferrules is recommended
*) Bars of maximum width of 20 mm and maximum thickness of 5 mm can be fixed to M type screw terminals.
**) using tension wrench is recommended
***) fuse switch disconnectors with V-terminals are equipped with steel V-clamp HM 10-120 on request
Apator takes responsibility for technical quality of $V$-terminals manufactured only by the company. Minimum tightening torque (M8 screw) for screws fixing fuse switch disconnector to busbar system - 12 Nm , recommended tightening torque for screws and nuts with property class $8.8-21 \mathrm{Nm}$

FUSE RAIL PBS 00-SM, PBS 00-V (160 A, 690 V)
For 185 mm busbar system

Table 60. TECHNICAL DATA

| Parameters |  | PBS 00-SM, PBS 00-V |
| :--- | :---: | :---: |
| Size | A | 00 |
| Rated thermal current $I_{\text {th }}=I_{n}$ | $V$ | 160 |
| Rated voltage $U_{n}$ | V | 690 |
| Rated insulation voltage $U_{i}$ | Hz | 1000 |
| Rated frequency | W | $50-60$ |
| Rated power dissipation | Number <br> of cycles | 12 |
| Rated short-circuit withstand current | IP | 100 |
| Mechanical durability | 100 |  |
| IP degree of protection without <br> fuse links installed | IP | 20 |
| IP degree of protection with <br> fuse linksand fuse links shrouds <br> installed * |  | 00 |
| Size of fuse links |  |  |

*for more information about fuse links shrouds please see accessories


PBS 00


PBS 00 with fuse link shrouds

Table 61. VERSIONS

| Version | cable terminals: bridge terminals with bridge clamps (S) $4-70 \mathrm{~mm}^{2}$, <br> screw terminals with M8 screws | Weight | Article No. |
| :--- | :--- | :---: | :---: |
| PBS 00-SM | cable terminals: V-terminals with V-clamps 25-120SW | $1,9 \mathrm{~kg}$ | $63-001417-002$ |
| PBS 00-V | 2 kg | $63-001417-001$ |  |

Table 62. PBS 00 TERMINAL CLAMPS

| Description | PBS 00 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Clamp | S-bridge clamp $2 \times \mathrm{M} 5 \times 25$ | M8 screw* | V- clamp 25-150 SW | HM 10-120 |
| Picture of clamp |  |  |  |  |
| Drawing of clamp |  |  |  |  |
| Cross - section of conductors | 4-70 mm² | Conductor with lug terminal $\max 185 \mathrm{~mm}^{2}$ | re $16 \mathrm{~mm}^{2}-95 \mathrm{~mm}^{2}$ se $25 \mathrm{~mm}^{2}-150 \mathrm{~mm}^{2}$ | re $10 \mathrm{~mm}^{2}-70 \mathrm{~mm}^{2}$ se $25 \mathrm{~mm}^{2}-120 \mathrm{~mm}^{2}$ |
|  |  |  | $\begin{gathered} \mathrm{rm}: 16 \mathrm{~mm}^{2}-95 \mathrm{~mm}^{2} \\ \mathrm{sm} \cdot 25 \mathrm{~mm}^{2}-150 \mathrm{~mm}^{2} \end{gathered}$ | $\begin{aligned} & \mathrm{rm} \% 10 \mathrm{~mm}^{2}-70 \mathrm{~mm}^{2} \\ & \mathrm{sm} \% 25 \mathrm{~mm}^{2}-95 \mathrm{~mm}^{2} \end{aligned}$ |
| Tightening torque | 3 Nm** | $12 \mathrm{Nm} * *$ | 20 Nm** | 15 Nm** |

For stranded conductors using cable ferrules is recommended
*) Bars of maximum width of 20 mm and maximum thickness of 5 mm can be fixed to $M$ type screw terminals.
**) using tension wrench is recommended
***) fuse switch disconnectors with V-terminals are equipped with steel V-clamp HM 10-120 on request
Apator takes responsibility for technical quality of V -terminals manufactured only by the company. Minimum tightening torque (M8 screw) for screws fixing fuse switch disconnector to busbar system -12 Nm, recommended tightening torque for screws and nuts with property class $8.8-21 \mathrm{Nm}$

PBS 2 (400 A, 690 V)
PBS 3 ( $630 \mathrm{~A}, 690$ V)


## DESCRIPTON

1. Main base
2. Hooked clamp - for installation on to busbar system $1115281037 T$
3. Terminal shroud for fuse switch disconnector with double V-clamps ( $2 \times 240 \mathrm{~mm}^{2}$ )
4. Terminal shroud (long) 51-930271-021
5. Terminal shroud (short)
6. Bottom adjusting shroud 51-930313-011
7. Cable terminal protective cover 51-930272-011
8. Protective barrier


PBS 2
PBS 3

## PBS 2 (400 A, 690 V)

Fuse rail designed for operation with NH 1 and NH 2 fuse links

Table 63. TECHNICAL DATA

| Parameters |  |  |
| :--- | :---: | :---: |
| Pize | A | $250(\mathrm{NH} 1), 400(\mathrm{NH} 2)$ |
| Rated thermal current $I_{\text {th }}=I_{\mathrm{n}}$ | V | 690 |
| Rated voltage $U_{n}$ | V | 1000 |
| Rated insulation voltage $U_{i}$ | Hz | $50-60$ |
| Rated frequency | W | 45 |
| Rated power dissipation | Number |  |
| Rated short-circuit withstand current | kA | 100 |
| Mechanical durability | 100 |  |
| IP degree of protection without <br> fuse links installed | IP | 20 |
| IP degree of protection with <br> fuse linksand fuse links shrouds <br> installed* | 20 |  |
| Size of fuse links | 1,2 |  |

Accesories on page 76
*for more information about fuse links shrouds please see accessories
PBS 2-2V


PBS 2-V
with fuse link shrouds

Table 64. VERSIONS

| Version |  | Weight | Article No. |
| :--- | :--- | :---: | :---: |
| PBS 2-V | cable terminals: V-terminals with V-clamps $\left(35-240 \mathrm{~mm}^{2}\right)$ | $3,2 \mathrm{~kg}$ | $63-811639-011$ |
| PBS 2-M | cable terminals: screw terminals with pressed nuts M10 $(\mathrm{M} 10 \mathrm{screw})$ | $3,1 \mathrm{~kg}$ | $63-811639-031$ |
| PBS 2-2V | cable terminals: 2V-terminals with double Vclamps $\left(2 \times 50-240 \mathrm{~mm}^{2}\right)$ | $3,8 \mathrm{~kg}$ | $63-811639-051$ |

Table 65. PBS 2 TERMINAL CLAMPS

*For stranded conductors using cable ferrules is recommended
Bars of maximum width of 40 mm and maximum thickness of 8 mm can be fixed to $M$ type screw terminals when protective barrier between phases is installed.
Apator takes responsibility for technical quality of $V$-terminals manufactured only by the company. Minimum tightening torque ( M 12 screw) for screws fixing
fuse switch disconnector to busbar system - 32 Nm , recommended tightening torque for screws and nuts with property class $8.8-56 \mathrm{Nm}$

## PBS 3 (630 A, 690 V)

Table 66. TECHNICAL DATA

| Parameters |  |  | PBS 3 |
| :---: | :---: | :---: | :---: |
| Size |  |  | 3 |
| Rated thermal current $I_{\text {th }}=I_{n}$ |  | A | 630 |
| Rated voltage $\cup_{n}$ |  | V | 690 |
| Rated insulation voltage $U_{i}$ |  | V | 1000 |
| Rated frequency |  | Hz | 50-60 |
| Rated power dissipation |  | W | 60 |
| Rated short-circuit withstand current |  | kA | 100 |
| Mechanical durability | Number of cycles |  | 100 |
| IP degree of protection without fuse links installed |  | IP | 20 |
| IP degree of protection with fuse linksand fuse links shrouds installed* |  | IP | 20 |
| Size of fuse links |  |  | 3 |
| Accesories on page 76 |  |  |  |



PBS 3-2V with fuse link shrouds
*for more information about fuse links shrouds please see accessories
Table 67. VERSIONS

| Version |  | Weight | Article No. |
| :--- | :--- | :---: | :---: |
| PBS 3-V | cable terminals: V-terminals with V-clamps (70-300 SW) | $4,0 \mathrm{~kg}$ | $63-811639-021$ |
| PBS 3-M | cable terminals: screw terminals with pressed nuts M12 (M12 screw) | $4,1 \mathrm{~kg}$ | $63-811639-041$ |
| PBS 3-2V | cable terminals: 2V-terminals with double V-clamps $\left(2 \times 50-240 \mathrm{~mm}^{2}\right)$ | $4,8 \mathrm{~kg}$ | $63-811639-061$ |

Table 68. PBS 3 TERMINAL CLAMPS

*For stranded conductors using cable ferrules is recommended
Bars of maximum width of 40 mm and maximum thickness of 8 mm can be fixed to $M$ type screw terminals when protective barrier between phases is installed. Apator takes responsibility for technical quality of V-terminals manufactured only by the company. Minimum tightening torque (M12 screw) for screws fixing fuse switch disconnector to busbar system - 32 Nm , recommended tightening torque for screws and nuts with property class $8.8-56 \mathrm{Nm}$

## PBS FUSE RAIL WITH

 LATERAL BUSBAR TERMINAL(separation, coupling of busbar systems)
Table 69. TECHNICAL DATA

| Parameters |  |  | PBS 2 |
| :--- | :---: | :---: | :---: |
| Size | PBS 3 |  |  |
| Rated thermal current $I_{\text {th }}=I_{n}$ | A | 400 | 630 |
| Rated voltage $U_{n}$ | V | 690 | 690 |
| Rated insulation voltage $U_{i}$ | V | 1000 | 1000 |
| Rated frequency | Hz | $50-60$ | $50-60$ |
| Rated power dissipation | W | 45 | 60 |
| Rated short-circuit <br> withstand current | kA | 100 | 100 |
| Mechanical durability | Number <br> of cycles | 100 | 100 |
| IP degree of protection <br> without fuse links installed | IP | 20 |  |
| IP degree of protection <br> with fuse linksand fuse <br> links shrouds installed* | IP | 20 |  |
| Size of fuse links |  |  |  |
| Accesories on page 76 | 2 | 3 |  |

*for more information about fuse links shrouds please see accessories


PBS 2-NR


PBS 3-NL

Table 70. VERSIONS

| Version |  | Weight | Article No. |
| :--- | :--- | ---: | :---: |
| PBS 2-NL | lateral busbar terminal - left side | $2,2 \mathrm{~kg}$ | $63-811673-011$ |
| PBS 2-NR | lateral busbar terminal - right side | $2,2 \mathrm{~kg}$ | $63-811673-031$ |
| PBS 3-NL | lateral busbar terminal - left side | $3,0 \mathrm{~kg}$ | $63-811673-021$ |
| PBS 3-NR | lateral busbar terminal - right side | $3,0 \mathrm{~kg}$ | $63-811673-041$ |

Table 71. PBS (WITH LATERAL BUSBAR TEMINAL) TERMINAL CLAMPS

| Description | Drawing of clamp | PBS 2-NL (400 A) | PBS 2-NR (400 A) | PBS 3-NL (630 A) | PBS 3-NR (630 A) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Clamp |  | M12 screw | M12 screw | M12 screw | M12 screw |
| Cable terminal |  | Left side | Right side | Left side | Right side |
| Tightening torque |  | 56 Nm | 56 Nm | 56 Nm | 56 Nm |

THREE PHASE
CURRENT MEASUREMENT WITH FUSE RAIL PBS


PBS 00/100 mm

## ONE PHASE

CURRENT MEASUREMENT WITH FUSE FUSE RAIL PBS

PBS 00/100 A fuse rails
CURRENTTRANSFORMER APA-W10
Technical parameters in the catalogue:
"Low voltage current transformers".
ratios:
125 A/5A 150 A/5A
dimensions:
$a=43,5 \mathrm{~mm}, \mathrm{~b}=30 \mathrm{~mm}, \mathrm{c}=65 \mathrm{~mm}$
Accuracy class* $=1 ; 0,5$
*-depending on the version
DISTANCE SLEEVE
Length 36 mm
$\varnothing$ Inner diameter $=12,5 \mathrm{~mm}$
$\varnothing$ outer diameter $=22,5 \mathrm{~mm}$
PBS 2, PBS 3 fuse rails
CURRENT TRANSFORMER APA-W12
Technical parameters in the catalogue:
"Low voltage current transformers".
ratios:
$125 \mathrm{~A} / 5 \mathrm{~A} 150 \mathrm{~A} / 5 \mathrm{~A} 200 \mathrm{~A} / 5 \mathrm{~A}$
300 A 5 A 400 A/5A
dimensions:
$\mathrm{a}=60 \mathrm{~mm}, \mathrm{~b}=30 \mathrm{~mm}, \mathrm{c}=81 \mathrm{~mm}$
Accuracy class* $=1 ; 0,5 ; 0,5 \mathrm{~s} ; 0,2 ; 0,2 \mathrm{~s}$
*-depending on the version
DISTANCE SLEEVE
Length 36 mm
$\varnothing$ Inner diameter $=12,5 \mathrm{~mm}$,
$\varnothing$ outer diameter $=22,5 \mathrm{~mm}$








| PBS 00/100 mm |  |  |  | PBS 00/100 mm |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \sum_{1} \\ & 8 \end{aligned}$ | M8 terminal screw, for connection of conductors with lug terminal (set - 3 pcs.) |  |  |  | Terminal shroud/adjusting shroud | $\square$ |
| 6 <br> 8 <br> 8 <br>  <br> 6 | Busbar shroud (polycarbonate) for busbar system 185 mm, Width 50 mm , length 562 mm , thickness 3 mm |  | $\square$ |  |  |  |
|  | Hooked clamps for installation of ARS on to busbar system without drilled holes. (set - 3 pcs.) |  |  | $\begin{aligned} & \bar{ভ} \\ & \stackrel{\circ}{00} \\ & \stackrel{\sim}{\circ} \\ & \stackrel{\rightharpoonup}{\sim} \end{aligned}$ | Single adapter 100/185 enabling to install PBS 00/100 mm on busbar system 185 mm | - 19 |
| $\stackrel{5}{8}$ <br> 8 <br> 8 <br> -8 <br> -8 | Isolating pin for fixing the 50 mm busbar shroud, M8 (set - 2 pcs.) |  |  |  |  |  |
|  |  |  | 3 |  | Double adapter 100/185 enabling to install two PBS 00/100mm units on busbar system 185 mm |  |
|  | Current transformer APA-W10 <br> Accuracy class 1; 0,5 <br> Ratios: 125/5 A, 150/5 A <br> Technical parameters in the catalogue: "Low voltage current transformers". |  |  |  |  |  |
|  | Distance sleeve for current transformer APA-W10 (Length 36 mm , outer diameter $=22,5 \mathrm{~mm}$, inner diameter $=12,5 \mathrm{~mm}$ ) |  |  | PBS 00 |  |  |
|  |  |  | - |  | Double distance adapter 185/185. Designed for two PBS 00 units. It adjusts front line of PBS 00 to that of PBS 1, 2, 3 (set - 3 pcs.) |  |
| $\begin{aligned} & n \\ & 1 \\ & 8 \end{aligned}$ | S-Bridge clamp - fixed with $2 \times$ M5 screw - for connection of conductors with cross-section $4 \mathrm{~mm}^{2}$ up to $70 \mathrm{~mm}^{2}$ (set - 3 pcs.) |  |  |  |  |  |
|  | V-shape clamp - S-bridge clamp <br> + V-shape saddle - for connection of sector-shaped conductors with cross-section 1,5 up to $70 \mathrm{~mm}^{2}$ (stranded) or $95 \mathrm{~mm}^{2}$ (solid) (set - 3 pcs.) |  |  |  | Single distance adapter 185/185. It adjusts front line of ARS 00 to that of ARS 1, 2, 3 (set - 3 pcs.) |  |
| $\begin{aligned} & \text { d } \\ & \stackrel{\rightharpoonup}{0} \\ & \stackrel{N}{\stackrel{ }{2}} \end{aligned}$ | Universal earthing device for PBS 00, 1, 2, 3 |  |  |  |  |  |
| $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \stackrel{8}{\circ} \\ & \stackrel{6}{6} \\ & \stackrel{\rightharpoonup}{E} \end{aligned}$ | V- clamp HM-10-120. <br> For connection of conductor with cross-section: |  |  | $\overline{8}$$\stackrel{\rightharpoonup}{\overleftarrow{ }}$$\stackrel{\rightharpoonup}{3}$$\stackrel{1}{8}$$\stackrel{1}{\circ}$ | Fuse link shroud |  |
|  | 10-70 mm | $10-70 \mathrm{~mm}^{2}$ \% |  |  |  |  |
|  | $25-120 \mathrm{~mm}^{2}$ | 25-95 mm ${ }^{\text {2 }}$ |  |  |  |  |



| PBS | PBS 3 |  |
| :---: | :---: | :---: |
| 上 <br> - <br> 8 <br> - <br> $\stackrel{+}{6}$ | Busbar shroud（polycarbonate） for busbar system 185 mm， Width 100 mm ，length 707 mm ， thickness 2 mm | $\square$ |
|  | Isolating pin for fixing the 100 mm busbar shroud，M12 （set－ 2 pcs．） |  |
|  | Extended terminal shroud． For use with terminal shroud 51－930271－021 |  |
|  | Terminal protective cover |  |
|  | Current transformer APA－W12 <br> ratios：125／5 A 150／5 A 200／5 A <br> 300／5 A 400／5 A <br> dimensions： <br> $\mathrm{a}=60 \mathrm{~mm}, \mathrm{~b}=30 \mathrm{~mm}, \mathrm{c}=81 \mathrm{~mm}$ <br> Accuracy class＊$=1 ; 0,5 ; 0,5 s ; 0,2 ; 0,2 s$ <br> ＊－depending on the version <br> Technical parameters in the <br> catalogue：＂Low voltage current transformers＂． |  |
| $\begin{aligned} & 5 \\ & \stackrel{-}{5} \\ & \infty \\ & \stackrel{0}{5} \\ & \stackrel{0}{\square} \end{aligned}$ | Distance sleeve for current transformer APA－W12 length 36 mm ， outer diameter $=22,5 \mathrm{~mm}$ ， inner diameter $=12,5 \mathrm{~mm}$ | 0 |
|  | Terminal shroud |  |
| $\bar{\sigma}$ 0 $\infty$ 0 0 0 0 $\dot{1}$ $\dot{\circ}$ | Fuse link shroud |  |
|  | Universal earthing device for ARS 00，1，2， 3 |  |

