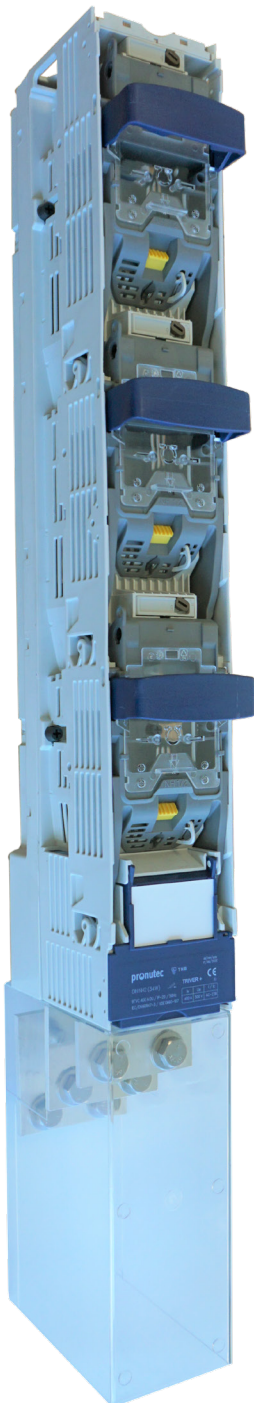


## New 910 A Fuse Switch Disconnecter



### ► APPLICATION:

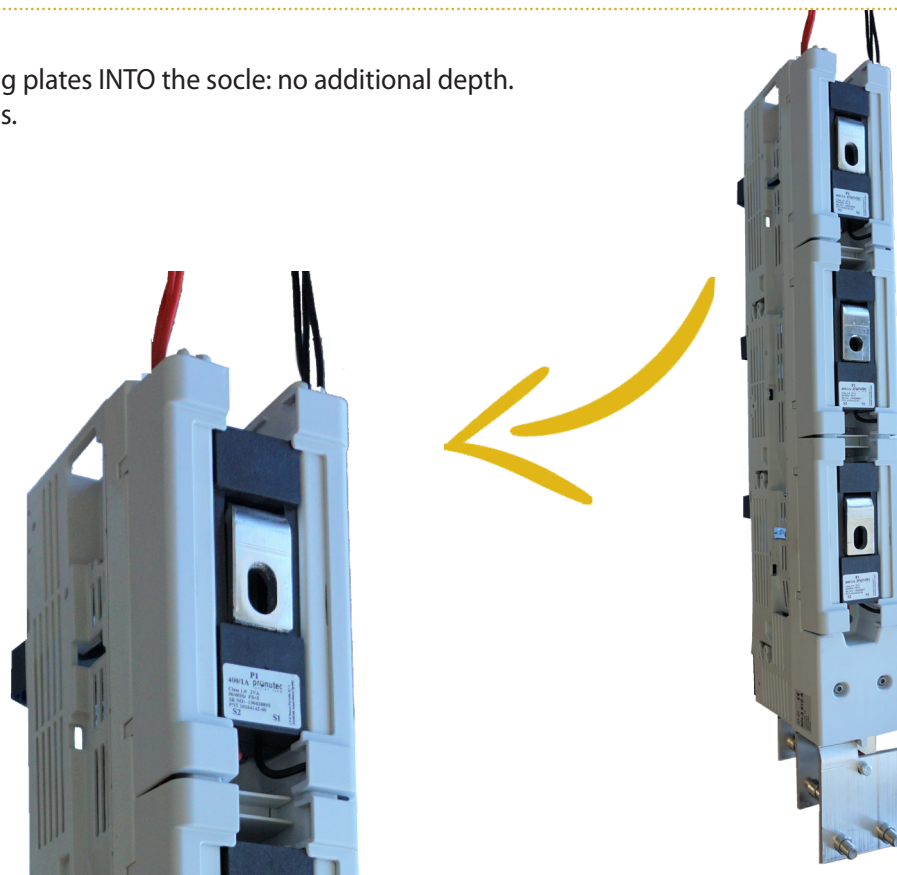
- Transformers secondary protection up to of 630 kVA.
- Incoming for LV distribution panels.

### ► MAIN FEATURES:

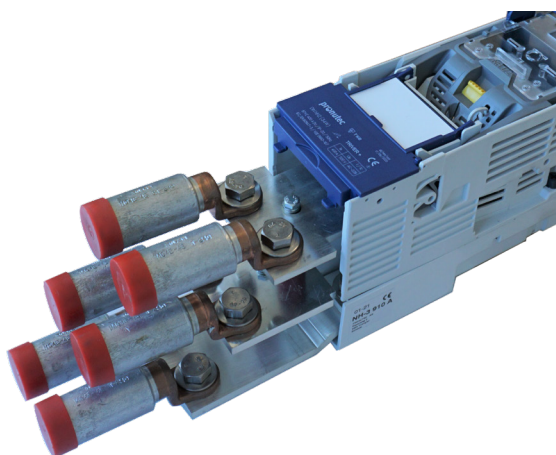
- Less power losses.
- Rated short time withstand current 25 kA / 1 seg.
- Integrated current transformers.
- Rated conditional short circuit current 50 kA.
- Robust for full load conditions.

## ► ADVANTAGES:

CTs installed on incoming plates INTO the socle: no additional depth.  
Lateral rails for the cables.



Connection: Up to 2 cables of 300 mm<sup>2</sup> per phase.



## ► MATERIALS:

These are the material details of some components:

- Socket made of thermostable polyester with fiberglass
- Silver contacts
- Stainless steel springs

Locking device to withstand a conditional (fuse protected) short circuit test.  
**TESTED UP TO 50 kA**

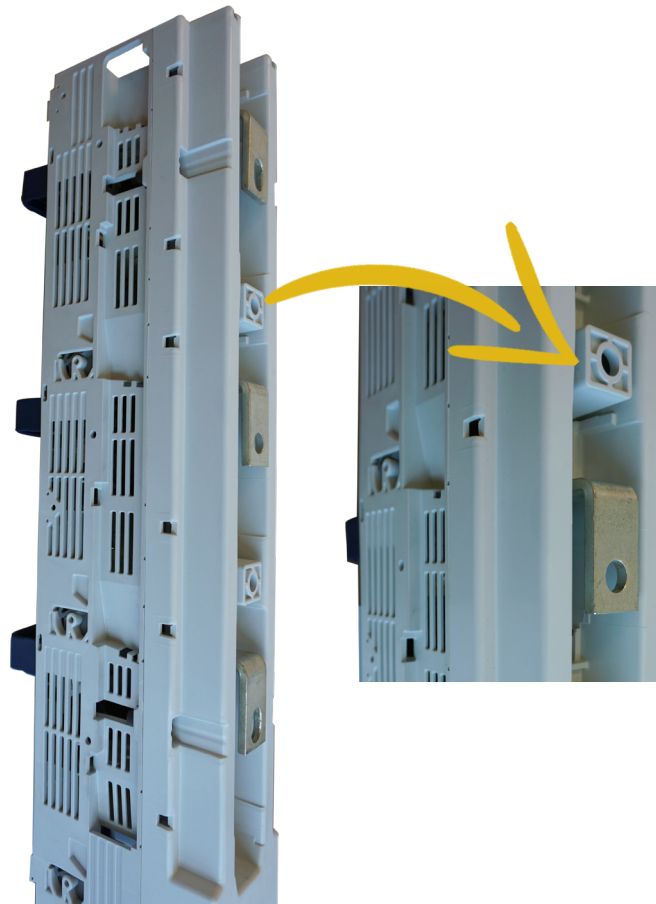
UNLOCKED



LOCKED



Mechanical anchoring (optional)



► RANGE

Reference	Type	Current	Switching	Terminal type	Connections	Fuse-link
438.58.33.04.02*	BTVC	910 A	One pole	2 x M12	Bottom	NH 3
438.58.32.04.02*		910 A	One pole		Top	NH 3
438.58.32.36.00		910 A	One pole	Ø 14	Top	NH 3
438.58.35.08.00		910 A	One pole	Ø 14	Rear	NH 3
438.68.33.04.02*	BTVC-DT 2 handles	910 A	Three pole	2 x M12	Bottom	NH 3
438.68.32.04.02*		910 A	Three pole	2 x M12	Top	NH 3
438.68.32.36.00		910 A	Three pole	Ø 14	Top	NH 3
438.68.35.08.00		910 A	Three pole	Ø 14	Rear	NH 3
438.78.33.04.02*	BTVC-DT 1 handle	910 A	Three pole	2 x M12	Bottom	NH 3
438.78.32.04.02*		910 A	Three pole	2 x M12	Top	NH 3
438.78.32.36.00		910 A	Three pole	Ø 14	Top	NH 3
438.78.35.08.00		910 A	Three pole	Ø 14	Rear	NH 3
438.58.37.XX.YY	BTVC-D	1820 A	One pole	4 x M12	Bottom	NH 3
438.58.38.XX.YY		1820 A	One pole	4 x M12	Top	NH 3
438.68.37.XX.YY	BTVC-D DT	1820 A	Three pole	4 x M12	Bottom	NH 3
438.68.38.XX.YY		1820 A	Three pole	4 x M12	Top	NH 3

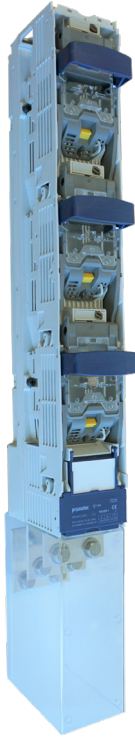
\* With connection cover.

Terminals XX Code: consult with our general catalogue

Accessories YY Code: consult with our general catalogue

▶ RANGE

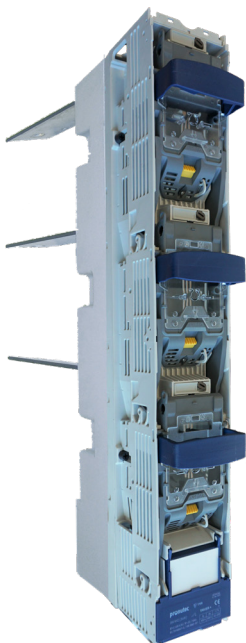
**BTVC STANDARD**



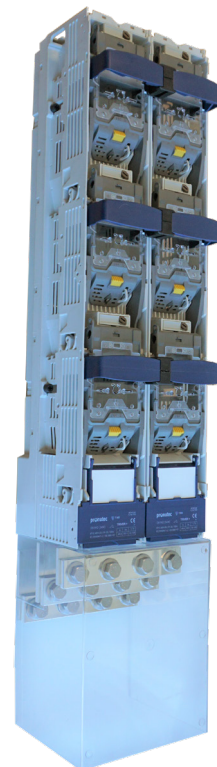
**BTVC-DT UPPER INCOMING**



**BTVC-DT REAR CONNECTION**



**BTVC-D FS**

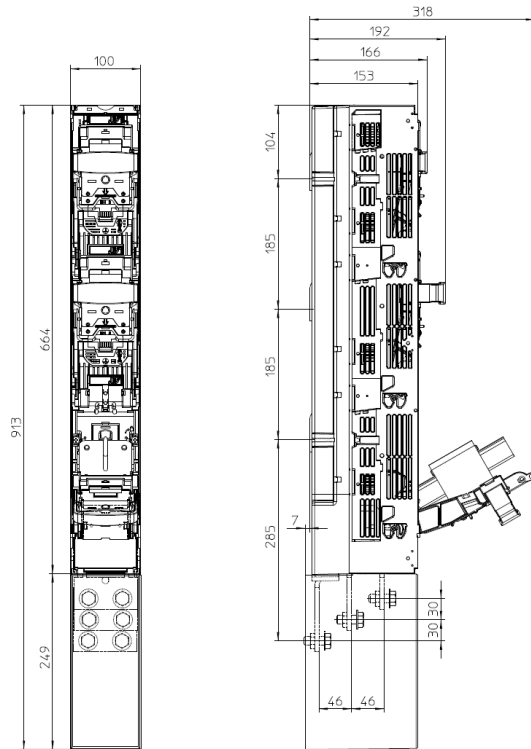


► DRAWINGS

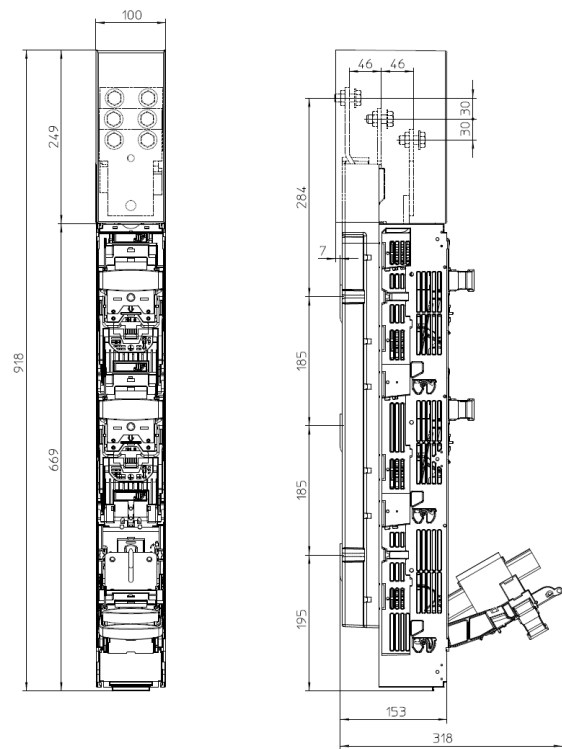
**3-pole vertical design fuse switches, standard (BTVC/BTVC-DT)**

**BTVC 1 pole switching**

Bottom connection

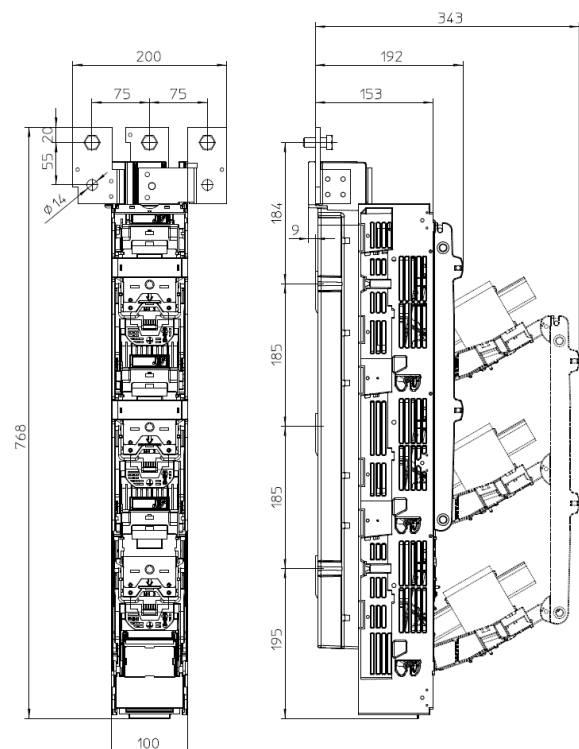


Top connection



**3 Pole vertical design fuse switches, Upper incoming (BTVC-DT)**


**BTVC-DT 2 handles**











► ACCESSORIES

Item	Description	YY Code	Reference
	Connection cover for BTVC-S 1000 A	02	428.01.027
	Connection cover for Double BTVC-D and BTVC-DS 2000 A (100 mm)	02	STD 428.01.028
			FS 428.04.100

Item	Description	Reference
	Solid link for NH 3 BTVC-S (1000 A)	103.02.14
	Kit for double one pole switching for BTVC-D (2 pieces x 3 poles = 6 pieces)	100 mm 438.08.01
		105 mm 438.08.02
		110 mm 438.08.03
	Insulating cable ducts	438.04.113

Item	Description	Rated Primary Current	Accuracy Class / Burden	
			0,5	1
	Current transformers	500 A	2,5 VA	2,5 VA
		600 A	2,5 VA	2,5 VA
		1000 A	2,5 VA	2,5 VA



Rated secondary output: 5 A standard (1 A on request).

Other burden values on request.



► TECHNICAL DATA

IEC/EN 60947-3	Type	438		
		BTVC 910 A	BTVC-D 1820 A	
Electrical characteristics	Rated operational voltage	$U_e$ (V)	AC 400	AC 400
	Rated operational current	$I_e$ (A)	910	1820
	Conventional free air thermal current with fuses	$I_{th}$ (A)	910	1820
	Conventional free air thermal current with solid links	$I_{th}$ (A)	1250	2000
	Rated frequency	Hz	40 - 60	
	Rated insulation voltage	$U_i$ (V)	1000	
	Rated conditional short-circuit current	( $kA_{eff}$ )	50	
	Utilization category		AC-22B	AC-22B
	Rated making capacity	(A)	2730	8190
	Rated breaking capacity	(A)	2730	8190
	Rated impulse withstand voltage	$U_{imp}$ (kV)	20	
	Operating cycles with current		100	100
	Total power loss at $I_{th}$ (without fuse)	$P_v$ (W)	200	410
Mechanical characteristics	Weight	kg	12,97	27
	Busbar distance	mm	185	
	Panel front opening	mm	600 / 650	
	Operating cycles without current		500	
Fuse links	Size according to IEC/EN 60269		3	3
	Max. rated current (gL/gG)	$I_n$ (A)	910	910
	Max. permis. power loss per fuse-link	$P_v$ (W)	70	70



Due to the continuous improvement & modifications of our products, the details included in this catalogue can be modified at any time without prior consent.

IEC/EN 60947-3				438	
				Type	BTVC 910 A
Terminals	Bolt terminal	Diameter		M12	
		Cable lug (S/DIN 46235)	mm <sup>2</sup>	2 x 95-300	4 x 95-300
		Torque	Nm	32	32
Protection degree	Front operated switchgear fitted			IP30	
Operating Conditions	Ambient temperature		°C	-25 to +55 <sup>(*)</sup>	
	Rated operating mode			Continuous operation	
	Actuation			Dependant manual operation	
	Altitude		m	Up to 2000	
	Pollution degree			3	
	Overvoltage category			IV	

<sup>(\*)</sup> 35 °C temperatura media, a 55 °C con intensidad asignada de empleo reducida.  
35 °C normal temperature, at 55 °C with reduced operating current.