

Air Switch Disconnectors Ex9ASD



- Air Switch Disconnectors Ex9ASD
- Tested according to IEC / EN 60947-3
- Rated current up to 4000 A
- Short-circuit making capacity I_{cm} up to 187 kA
- Rated withstand short-circuit current I_{cw} up to 85 kA / 1 s
- Fixed and withdrawable versions
- Wide range of accessories

Air Switch Disconnectors Ex9ASD are used as main switch in various industrial applications, such as high current rated installations that may require high prospective short circuit current on power distribution systems among others. Testing according IEC / EN 60947-3 standard ensures function and reliability on a wide variety of applications including isolation.

The Ex9ASD series are offered in two frame sizes with their own distribution of nominal currents:

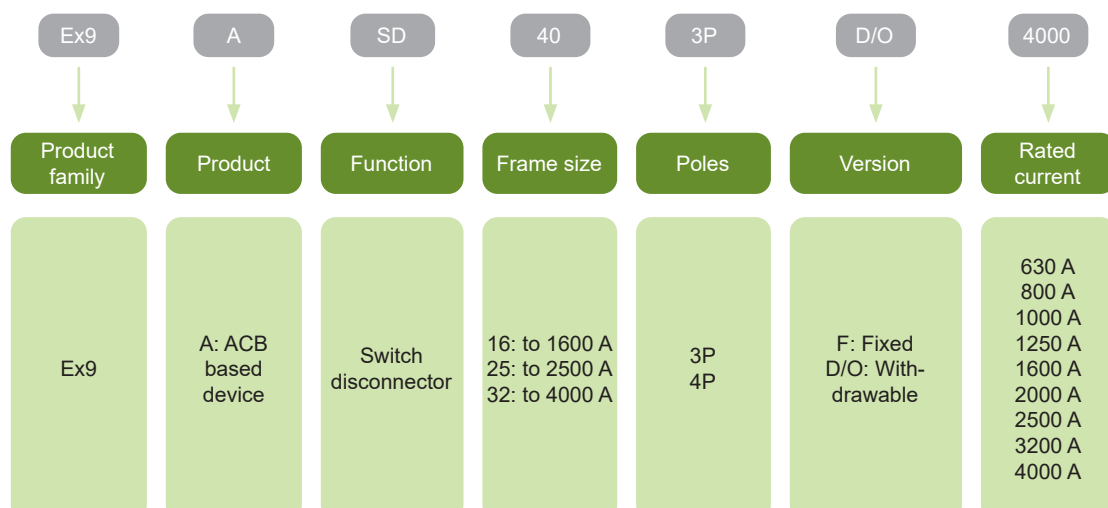
Ex9ASD frame size 16: from 630 A up to 1600 A.

Ex9ASD frame size 25: from 1000 A up to 2500 A

Ex9ASD frame size 40: from 3200 A up to 4000 A.

The Ex9ASD series follows the same design pattern as their Ex9A series circuit breaker equivalents. Therefore, it is possible to use the fully compatible range of internal and external accessories such as control coils UVT, SHT and XF, auxiliary contacts and others.

Type Key



Air Switch Disconnectors Ex9ASD

Fixed version, frame size A16



Poles	Rated current I _n	Article No.	Type	Packing
3P	630 A	113376	Ex9ASD16 3P F 630	1
3P	800 A	113377	Ex9ASD16 3P F 800	1
3P	1000 A	113378	Ex9ASD16 3P F 1000	1
3P	1250 A	113379	Ex9ASD16 3P F 1250	1
3P	1600 A	113380	Ex9ASD16 3P F 1600	1
4P	630 A	113386	Ex9ASD16 4P F 630	1
4P	800 A	113387	Ex9ASD16 4P F 800	1
4P	1000 A	113388	Ex9ASD16 4P F 1000	1
4P	1250 A	113389	Ex9ASD16 4P F 1250	1
4P	1600 A	113390	Ex9ASD16 4P F 1600	1

Fixed version, frame size A25



Poles	Rated current I _n	Article No.	Type	Packing
3P	1000 A	113902	Ex9ASD25 3P F 1000	1
3P	1250 A	113903	Ex9ASD25 3P F 1250	1
3P	1600 A	113904	Ex9ASD25 3P F 1600	1
3P	2000 A	113905	Ex9ASD25 3P F 2000	1
3P	2500 A	113906	Ex9ASD25 3P F 2500	1
4P	1000 A	113912	Ex9ASD25 4P F 1000	1
4P	1250 A	113913	Ex9ASD25 4P F 1250	1
4P	1600 A	113914	Ex9ASD25 4P F 1600	1
4P	2000 A	113915	Ex9ASD25 4P F 2000	1
4P	2500 A	113916	Ex9ASD25 4P F 2500	1

Fixed version, frame size A40



Poles	Rated current I _n	Article No.	Type	Packing
3P	3200 A	113397	Ex9ASD40 3P F 3200	1
3P	4000 A	113398	Ex9ASD40 3P F 4000	1
4P	3200 A	113405	Ex9ASD40 4P F 3200	1
4P	4000 A	113406	Ex9ASD40 4P F 4000	1

Air Switch Disconnectors Ex9ASD

Withdrawable version, frame size A16



Poles	Rated current I _n	Article No.	Type	Packing
3P	630 A	113371	Ex9ASD16 3P D/O 630	1
3P	800 A	113372	Ex9ASD16 3P D/O 800	1
3P	1000 A	113373	Ex9ASD16 3P D/O 1000	1
3P	1250 A	113374	Ex9ASD16 3P D/O 1250	1
3P	1600 A	113375	Ex9ASD16 3P D/O 1600	1
4P	630 A	113381	Ex9ASD16 4P D/O 630	1
4P	800 A	113382	Ex9ASD16 4P D/O 800	1
4P	1000 A	113383	Ex9ASD16 4P D/O 1000	1
4P	1250 A	113384	Ex9ASD16 4P D/O 1250	1
4P	1600 A	113385	Ex9ASD16 4P D/O 1600	1

Withdrawable version, frame size A25



Poles	Rated current I _n	Article No.	Type	Packing
3P	1000 A	113897	Ex9ASD25 3P D/O 1000	1
3P	1250 A	113898	Ex9ASD25 3P D/O 1250	1
3P	1600 A	113899	Ex9ASD25 3P D/O 1600	1
3P	2000 A	113900	Ex9ASD25 3P D/O 2000	1
3P	2500 A	113901	Ex9ASD25 3P D/O 2500	1
4P	1000 A	113907	Ex9ASD25 4P D/O 1000	1
4P	1250 A	113908	Ex9ASD25 4P D/O 1250	1
4P	1600 A	113909	Ex9ASD25 4P D/O 1600	1
4P	2000 A	113910	Ex9ASD25 4P D/O 2000	1
4P	2500 A	113911	Ex9ASD25 4P D/O 2500	1

Withdrawable version, frame size A40



Poles	Rated current I _n	Article No.	Type	Packing
3P	3200 A	113393	Ex9ASD40 3P D/O 3200	1
3P	4000 A	113394	Ex9ASD40 3P D/O 4000	1
4P	3200 A	113401	Ex9ASD40 4P D/O 3200	1
4P	4000 A	113402	Ex9ASD40 4P D/O 4000	1

Air Switch Disconnectors Ex9ASD

Cassette for A16 frame size withdrawable Switch Disconnectors

- Safety shutters of main terminals connectors in the scope of delivery
- Equipped with full set of secondary terminals and mechanical device position indicator
- Delivered with main terminals in horizontal position



Version	Poles	Max. rated current I_n	Article No.	Type	Packing
Premounted	3P	630 — 800 A	112156	+CAS 11 3P 630-800	1
Premounted	3P	1000 — 1600 A	112157	+CAS 11 3P 1000-1600	1
Premounted	4P	630 — 800 A	112158	+CAS 11 4P 630-800	1
Premounted	4P	1000 — 1600 A	112159	+CAS 11 4P 1000-1600	1
Separately orderable	3P	630 — 800 A	112160	CAS 11 3P 630-800	1
Separately orderable	3P	1000 — 1600 A	112161	CAS 11 3P 1000-1600	1
Separately orderable	4P	630 — 800 A	112162	CAS 11 4P 630-800	1
Separately orderable	4P	1000 — 1600 A	112163	CAS 11 4P 1000-1600	1

Cassette for Ex9A25 withdrawable ACBs

- Safety shutters of main terminals connectors in the scope of delivery
- Equipped with full set of secondary terminals and mechanical device position indicator
- Delivered with main terminals in horizontal position



Version	Poles	Rated current I_n	Article No.	Type	Packing
Premounted	3P	1600 A	112204	+CAS 12 3P 1000-1600	1
Premounted	3P	2500 A	112205	+CAS 12 3P 2000-2500	1
Premounted	4P	1600 A	112206	+CAS 12 4P 1000-1600	1
Premounted	4P	2500 A	112207	+CAS 12 4P 2000-2500	1
Separately orderable	3P	1600 A	112208	CAS 12 3P 1000-1600	1
Separately orderable	3P	2500 A	112209	CAS 12 3P 2000-2500	1
Separately orderable	4P	1600 A	112210	CAS 12 4P 1000-1600	1
Separately orderable	4P	2500 A	112211	CAS 12 4P 2000-2500	1

Cassette for A40 frame size withdrawable Switch Disconnectors

- Safety shutters of main terminals connectors in the scope of delivery
- Equipped with full set of secondary terminals and mechanical device position indicator
- Delivered with main terminals in horizontal position



Version	Poles	Max. rated current I_n	Article No.	Type	Packing
Premounted	3P	3200 A	112280	+CAS 14 3P 3200	1
Premounted	3P	4000 A	112282	+CAS 14 3P 4000	1
Premounted	4P	3200 A	112281	+CAS 14 4P 3200	1
Premounted	4P	4000 A	112283	+CAS 14 4P 4000	1
Separately orderable	3P	3200 A	112284	CAS 14 3P 3200	1
Separately orderable	3P	4000 A	112286	CAS 14 3P 4000	1
Separately orderable	4P	3200 A	112285	CAS 14 4P 3200	1
Separately orderable	4P	4000 A	112287	CAS 14 4P 4000	1

Technical Data Ex9ASD16

Air Switch Disconnectors up to 1600 A

General parameters

Suitable for commercial as well as industrial applications

Internal accessories

Auxiliary contact unit	AX11	112396 — 112399
Closing releases	XF11	112424 — 112430
Shunt trip releases	SHT11	112404 — 112413
Undervoltage releases	UVT11	112438 — 112445
Motor drive operator	MD11	112454 — 112459
Key lock	KLK11	112472 — 112474
Position indicator	+EF11	112507
Pushbutton lock	+VBP11	112509

External accessories

Phase barriers - Fixed	PHS11	112494, 112495
Phase barriers - Withdrawable	DPS11	112488, 112489
Connection terminal plates	TEX11	112478 — 112485
Mechanical interlocks	IPA11	112500, 112501

Accessories marked with " + " in this list must be preordered together with the circuit breaker, since separate purchase is not allowed due to mechanical adaptation requirements

In any case, it is recommended to directly communicate with the technical support or your representative sales engineer in order to confirm all the possible configurations and additional personalizations of the selected product

Technical Data Ex9ASD16

Air Switch Disconnectors up to 1600 A

Electrical parameters

	Ex9ASD16
Tested according to	IEC / EN 60947-3
Rated operational voltage U_e	380 / 400 / 415 / 660 / 690 V AC
Rated insulation voltage U_i	1000 V
Rated impulse withstand voltage U_{imp}	12 kV
Rated current I_e at 40°C	630 / 800 / 1000 / 1250 / 1600 A
Rated frequency f	50 / 60 Hz
Short-time (1s) withstand current I_{cw} at 415 V	50 kA
Rated making (peak) current I_{cm} at 415 V	105 kA
Poles	3P / 4P
Breaking operation time	20 — 30 ms
Closing operation time	< 60 ms
Arcing distance	0
Isolation function	yes
Electrical service life at 415 V	8000 operation cycles
Mechanical service life	15000 operation cycles without maintenance
Operating frequency	20 operating cycles per hour
Overvoltage category	IV
Utilization category	AC-22A / AC-23A
Line voltage connection	arbitrary above or below

Mechanical parameters

	fixed	withdrawable
Device width (3P / 4P)	254 mm / 324 mm	282 mm / 382 mm
Device height	323 mm	352 mm
Device depth	213 mm	303 mm
Degree of protection	IP20	
Ambient temperature	-25°C — +60°C	
Storage temperature	-40°C — +85°C	
Altitude	< 2000 m	
Relative humidity	< 90 %	
Installation category	IV	
Pollution degree	3	
Weight (3P / 4P)	26 kg / 31 kg	42 kg / 59 kg (including cassette)

Technical Data Ex9ASD16

Air Switch Disconnectors up to 1600 A

Power dissipation at 3P device

Rated current [A]	Fixed version	Withdrawable version
630 A	100 W	161 W
800 A	110 W	215 W
1000 A	120 W	230 W
1250 A	130 W	250 W
1600 A	220 W	460 W

Temperature derating

$T [^{\circ}\text{C}]$	$I_u(T) [\text{A}]$				
	$I_n = 630 \text{ A}$	$I_n = 800 \text{ A}$	$I_n = 1000 \text{ A}$	$I_n = 1250 \text{ A}$	$I_n = 1600 \text{ A}$
-25 — +40	630	800	1000	1250	1600
45	630	800	1000	1250	1550
50	630	800	1000	1250	1485
55	630	800	950	1150	1390
60	550	700	900	1050	1320

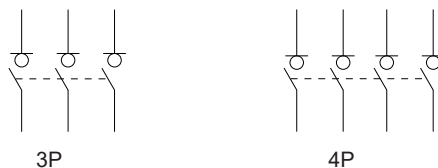
Altitude derating

Altitude	2000 m	3000 m	4000 m	5000 m
Impulse withstand voltage U_{imp}	12 000 V	11 000 V	10 000 V	8 000 V
Insulation voltage U_i	1000 V AC	800 V AC	700 V AC	600 V AC
Rated voltage U_e	690 V AC	580 V AC	500 V AC	400 V AC
Rated uninterrupted current I_u	$1 \times I_u(T)$	$0.93 \times I_u(T)$	$0.85 \times I_u(T)$	$0.81 \times I_u(T)$

Secondary terminals

Secondary terminals	screw type
Terminals capacity	0.5 — 1.2 mm ²

Main terminals wiring diagrams

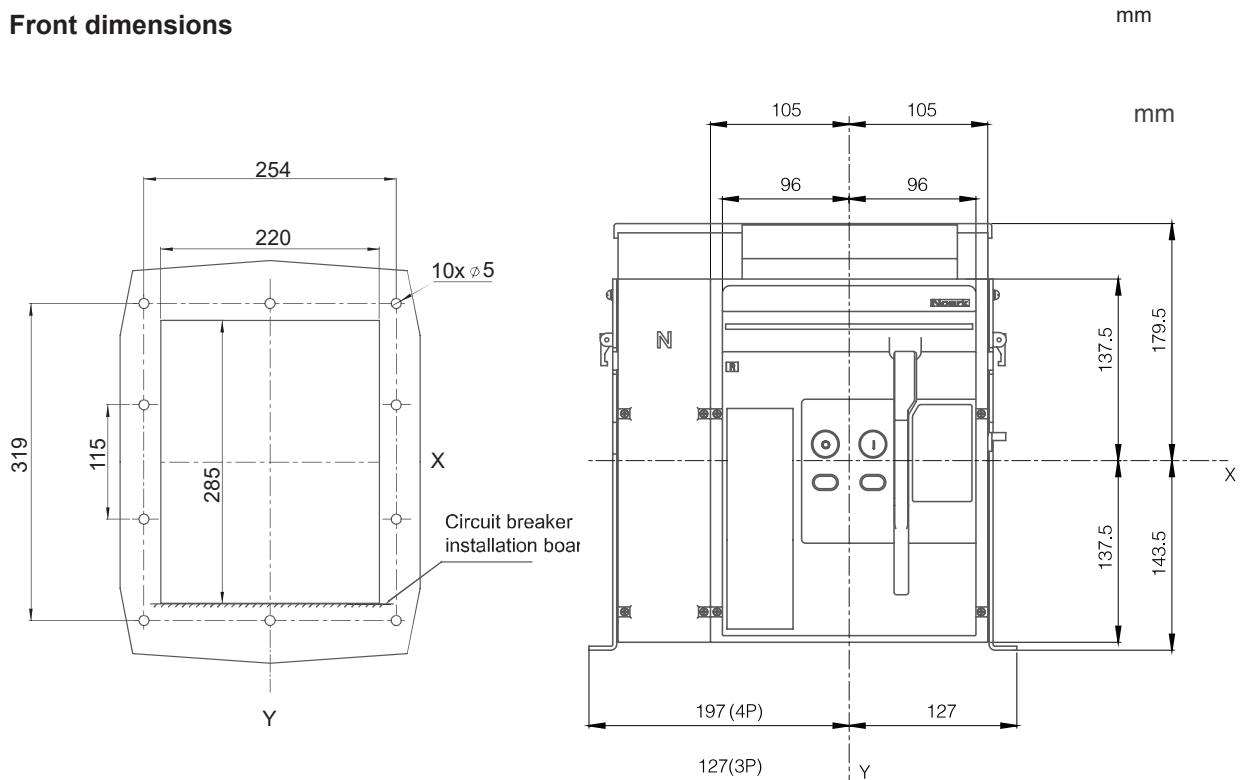


Technical Data Ex9ASD16

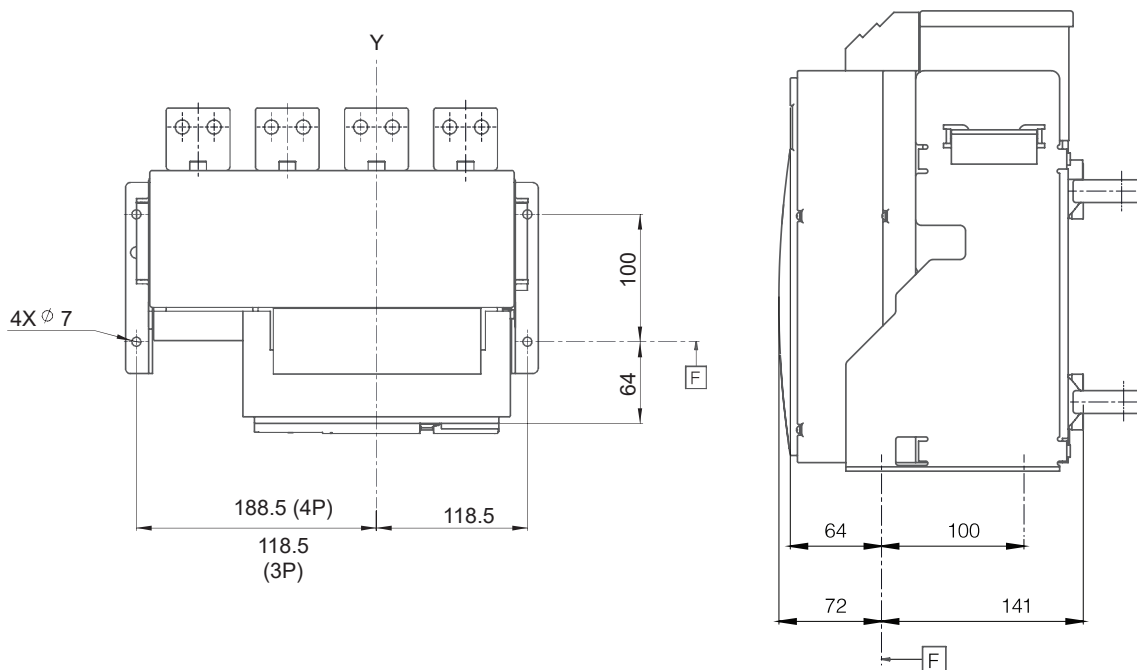
Air Switch Disconnectors up to 1600 A

Dimensions - fixed version

Front dimensions



Installation dimensions



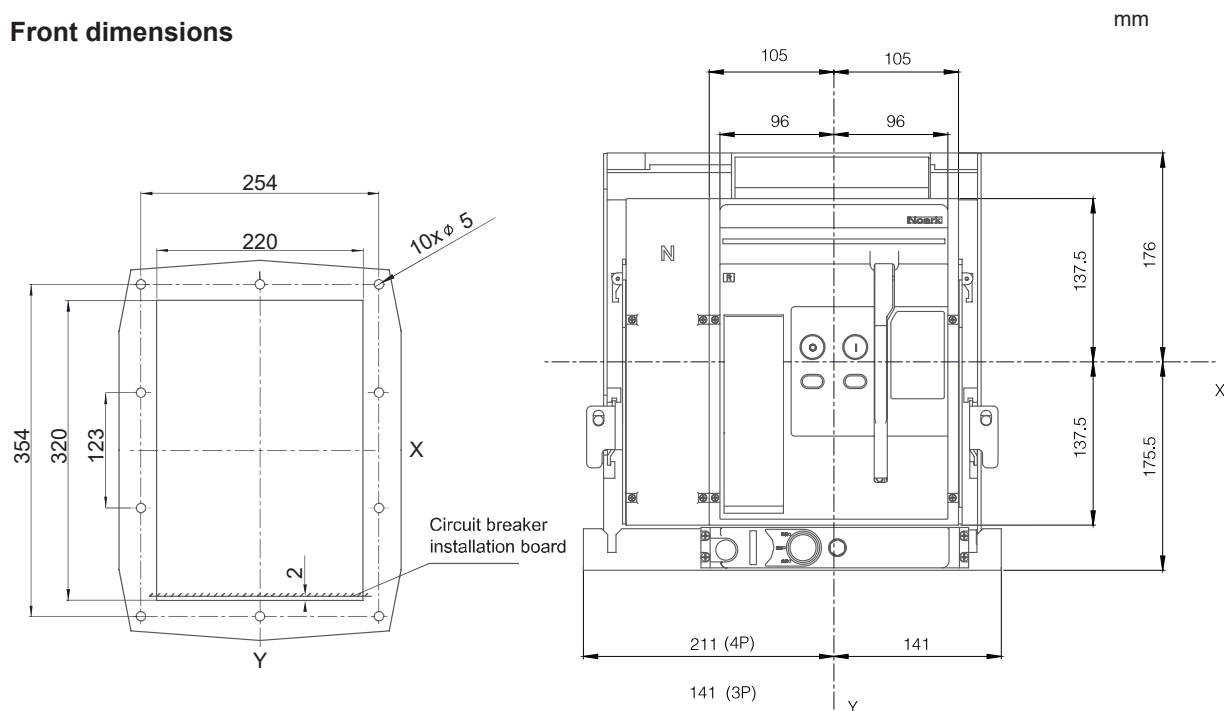
X, Y - door cut-out centering
F - Mounting screw reference point

Technical Data Ex9ASD16

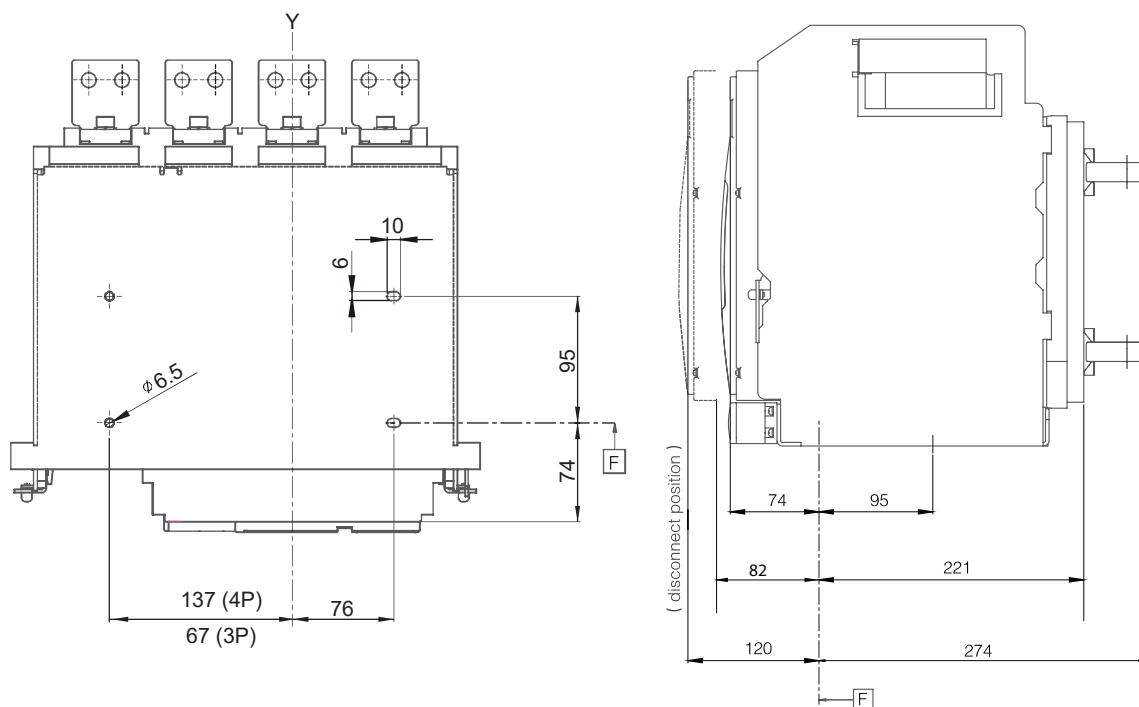
Air Switch Disconnectors up to 1600 A

Dimensions - withdrawable version

Front dimensions



Installation dimensions



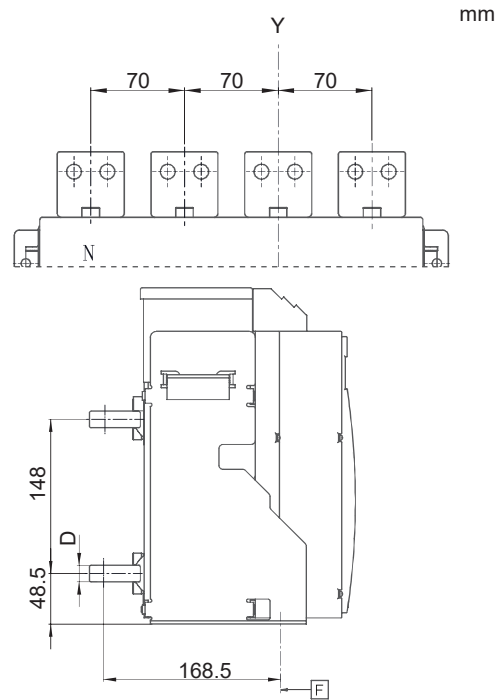
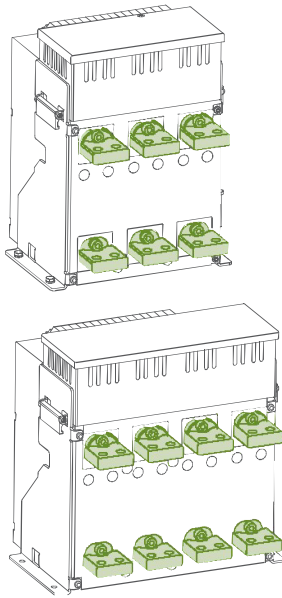
X, Y - door cut-out centering
F - Mountings screw reference point

Technical Data Ex9ASD16

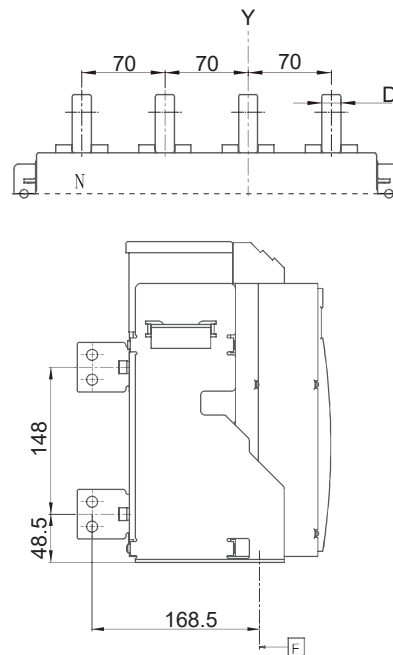
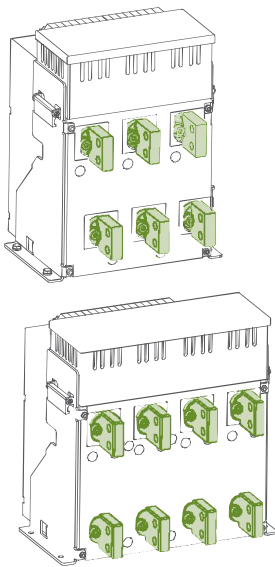
Air Switch Disconnectors up to 1600 A

Power connectors- Fixed 3 and 4 pole versions

Horizontal connection

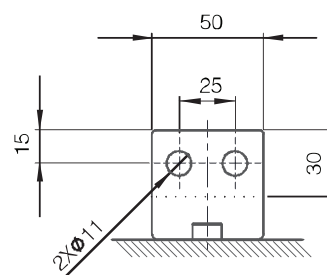


Vertical connection



Horizontal / Vertical Power connector

Rated current	D Thickness
630A — 800A	10
1000A — 1600A	16

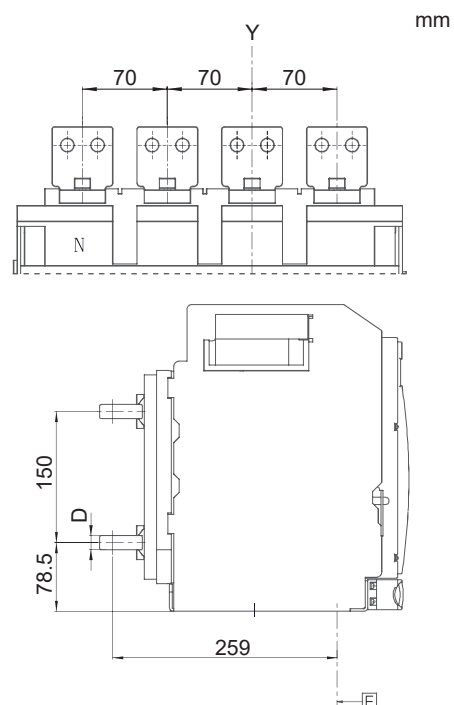
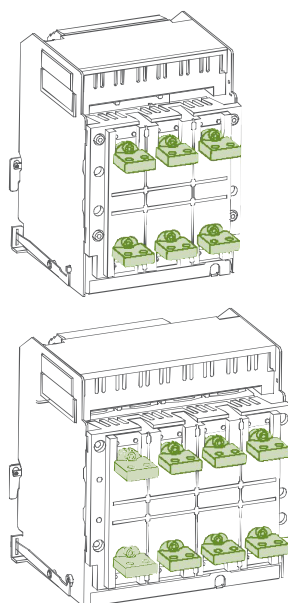


Technical Data Ex9ASD16

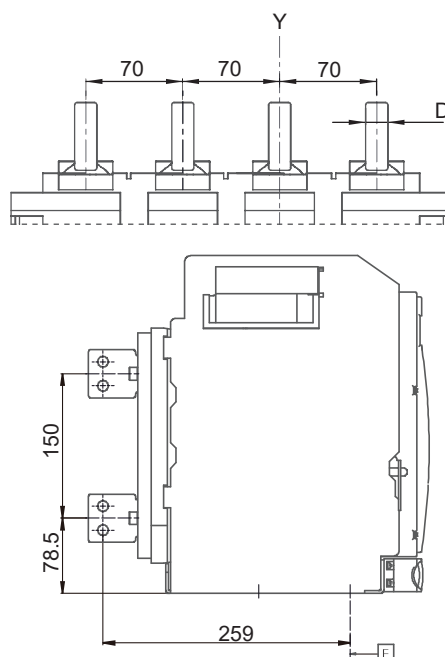
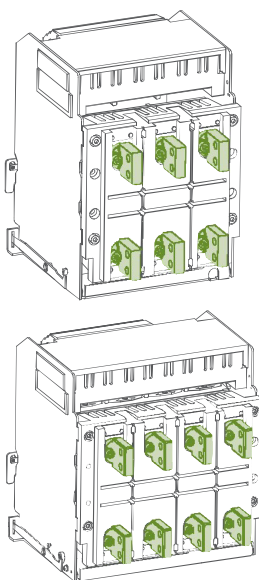
Air Switch Disconnectors up to 1600 A

Power connectors- Withdrawable 3 and 4 pole versions

Horizontal connection

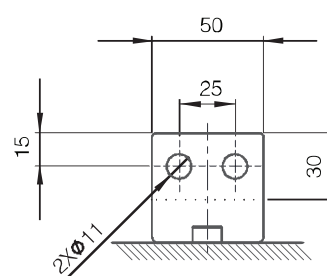


Vertical connection



Horizontal / Vertical Power connector

Rated current	D Thickness
630A — 800A	10
1000A — 1600A	16

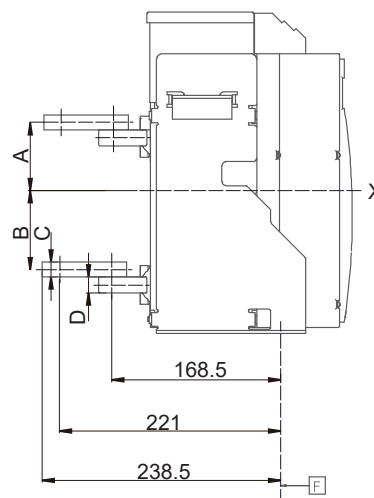
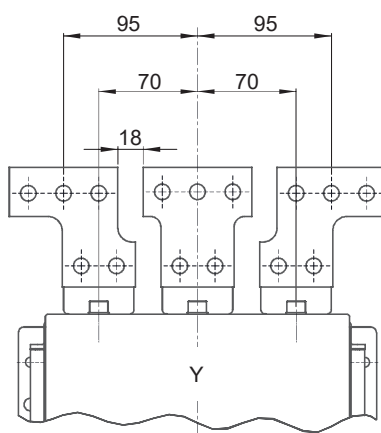
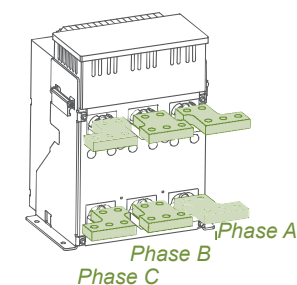


Technical Data Ex9ASD16

Air Switch Disconnectors up to 1600 A

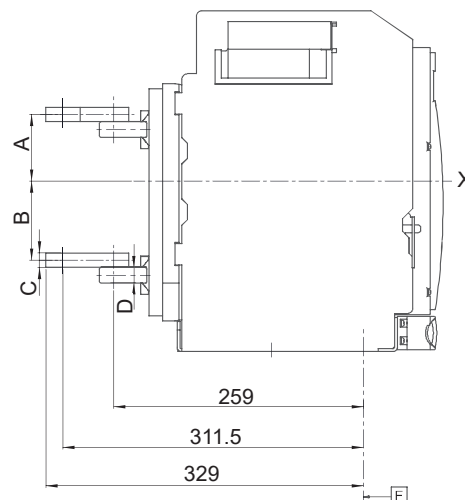
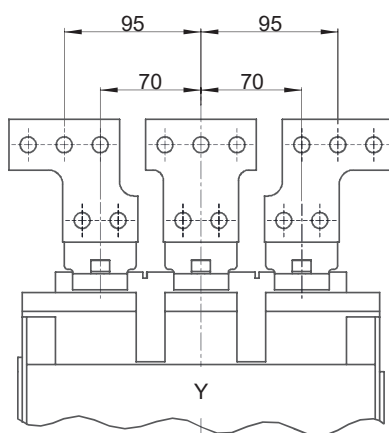
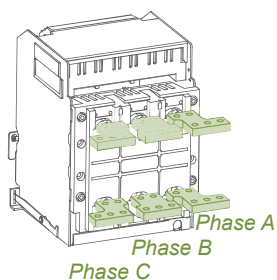
Horizontal connection with spreaders TEX - 3P

Fixed type

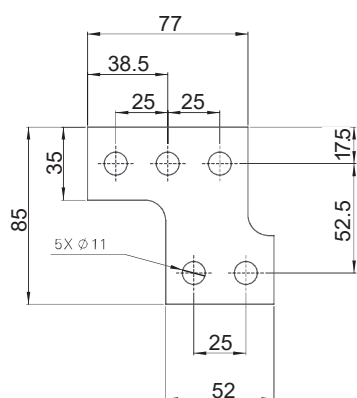


mm

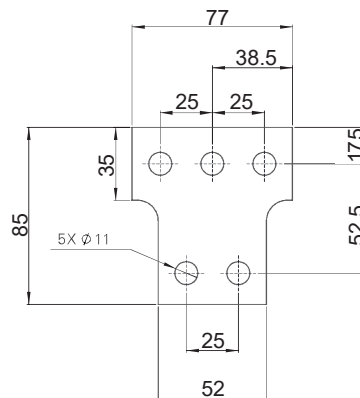
Withdrawable type



Fixed / Withdrawable TEX dimensions



Phase A and phase C



Phase B

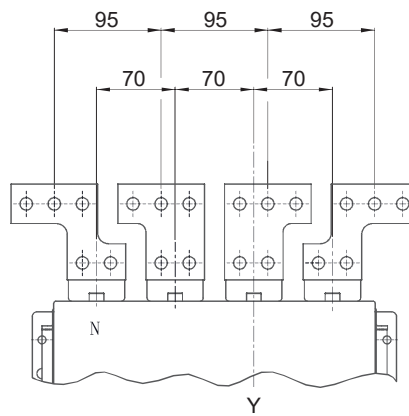
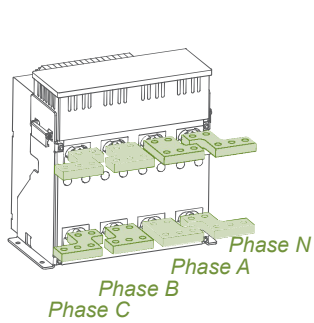
Rated current	A (mm)	B (mm)	C (mm)	D (mm)
630 — 800 A	63	85	10	10
1000 — 1600 A	68.5	79.5	15	16

Technical Data Ex9ASD16

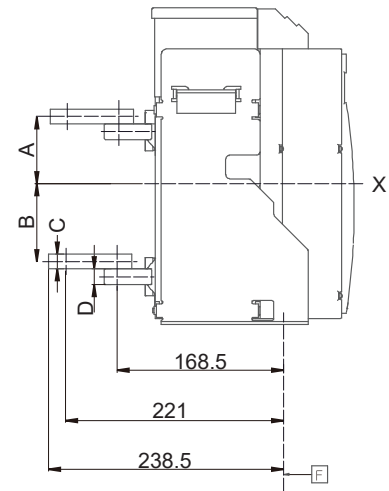
Air Switch Disconnectors up to 1600 A

Horizontal connection with spreaders TEX - 4P

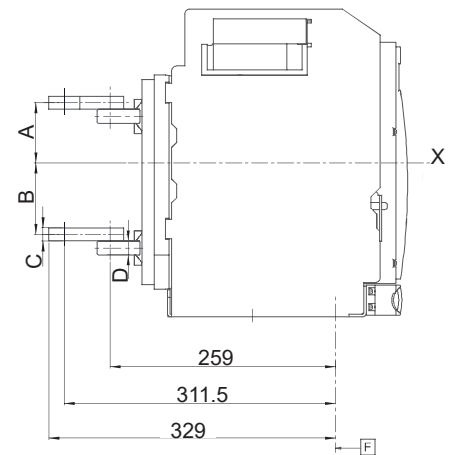
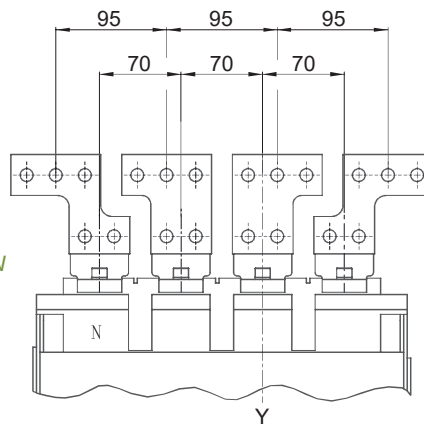
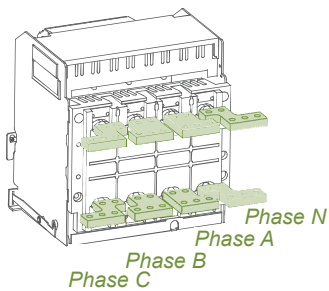
Fixed type



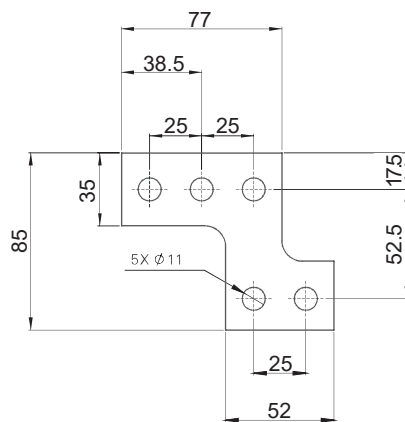
mm



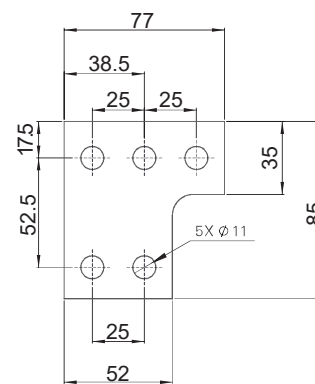
Withdrawable type



Fixed / Withdrawable TEX dimensions



Phase N and phase C



Phase A and phase B

Rated current	A (mm)	B (mm)	C (mm)	D (mm)
630 — 800 A	63	85	10	10
1000 — 1600 A	68.5	79.5	15	16

Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

General parameters

Suitable for commercial as well as industrial applications

Internal accessories

Auxiliary contact unit	AX12	112400 — 112403
Closing releases	XF12	112432 — 112437
Shunt trip releases	SHT12	112418 — 112423
Undervoltage releases	UVT12	112446 — 112451
Motor drive operator	MD12	112460 — 112465
Key lock	KLK12	112475 — 112477
Position indicator	+EF12	112508
Pushbutton lock	+VBP12	112510

External accessories

Phase barriers - Fixed	PHS12	112496, 112497
Phase barriers - Withdrawable	DPS12	112490, 112491
Mechanical interlocks	IPA12	112502, 112505

Accessories marked with " + " must be preordered together with the circuit breaker, since separate purchase is not allowed due to mechanical / software adaptation requirements

In any case, it is recommended to directly communicate with the technical +Support or your representative sales engineer in order to confirm all the possible configurations and additional personalizations of the selected product

Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

Electrical parameters

	Ex9ASD25
Tested according to	IEC / EN 60947-3
Rated operational voltage U_e	380 / 400 / 415 / 660 / 690 V AC
Rated insulation voltage U_i	1000 V
Rated impulse withstand voltage U_{imp}	12 kV
Rated current I_e at 40°C	1000 / 1250 / 1600 / 2000 / 2500 A
Rated frequency f	50 / 60 Hz
Short-time (1s) withstand current I_{cw} at 415 V	65 kA
Rated making (peak) current I_{cm} at 415 V	143 kA
Poles	3P / 4P
Breaking operation time	20 — 30 ms
Closing operation time	< 70 ms
Arcing distance	0
Isolation function	yes
Electrical service life at 415 V	8000 operation cycles
Mechanical service life	15000 operation cycles without maintenance
Operating frequency	20 operating cycles per hour
Overvoltage category	IV (main circuit) / III (secondary circuit)?
Utilization category	AC22A / AC23A
Line voltage connection	arbitrary above or below

Mechanical parameters

	fixed	withdrawable
Device width (3P / 4P)	364 mm / 459 mm	377 mm / 472 mm
Device height	393.5 mm	430 mm
Device depth	298 mm	406 mm
Degree of protection	IP40	
Ambient temperature	-25°C — +60°C	
Storage temperature	-40°C — +85°C	
Altitude	< 2000 m	
Relative humidity	< 90 %	
Installation category	IV	
Pollution degree	3	
Weight (3P / 4P)	55 kg / 61 kg	93 kg / 113 kg (including cassette)

Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

Power dissipation at 3P device

Rated current [A]	Fixed version	Withdrawable version
1000 A	124 W	237 W
1250 A	161 W	293 W
1600 A	232 W	435 W
2000 A	266 W	500 W
2500 A	300 W	560 W

Temperature derating

T [°C]	$I_u(T)$ [A]				
	$I_n = 1000$ A	$I_n = 1250$ A	$I_n = 1600$ A	$I_n = 2000$ A	$I_n = 2500$ A
-25 — +40	1000	1250	1600	2000	2500
45	1000	1250	1600	2000	2500
50	1000	1250	1600	2000	2400
55	1000	1200	1500	1900	2350
60	950	1150	1400	1750	2250

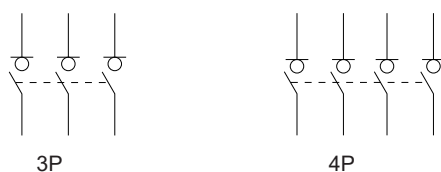
Altitude derating

Altitude	2000 m	3000 m	4000 m	5000 m
Impulse withstand voltage U_{imp}	3500 V	3000 V	2500 V	2000 V
Insulation voltage U_i	1000 V AC	800 V AC	700 V AC	600 V AC
Rated voltage U_e	690 V AC	580 V AC	500 V AC	400 V AC
Rated uninterrupted current I_u	$1 \times I_u(T)$	$0.96 \times I_u(T)$	$0.91 \times I_u(T)$	$0.87 \times I_u(T)$

Secondary terminals

Secondary terminals	screw type
Terminals capacity	0.5 — 1.2 mm ²

Main terminals wiring diagrams



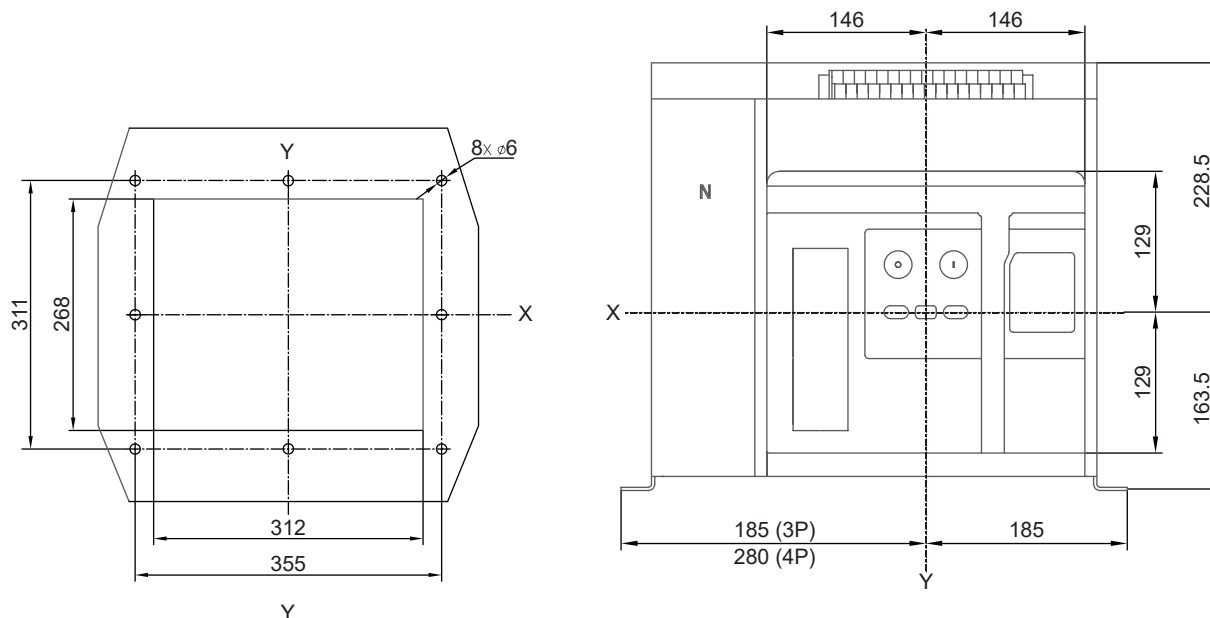
Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

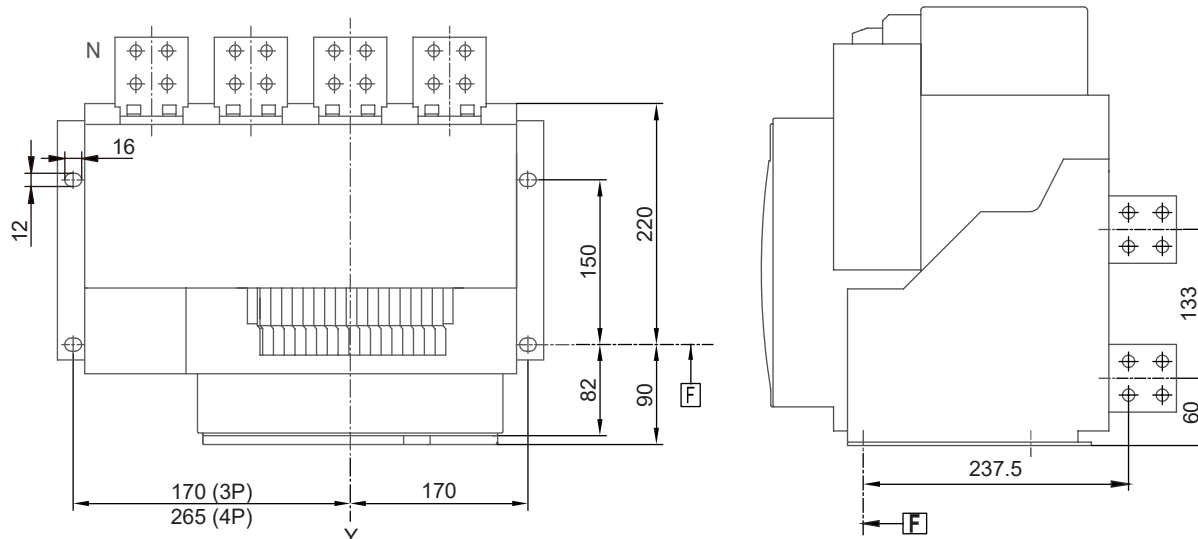
Dimensions - Fixed version

Front dimensions

mm



Installation dimensions



X, Y - door cut-out centering
F - Mounting screw reference point

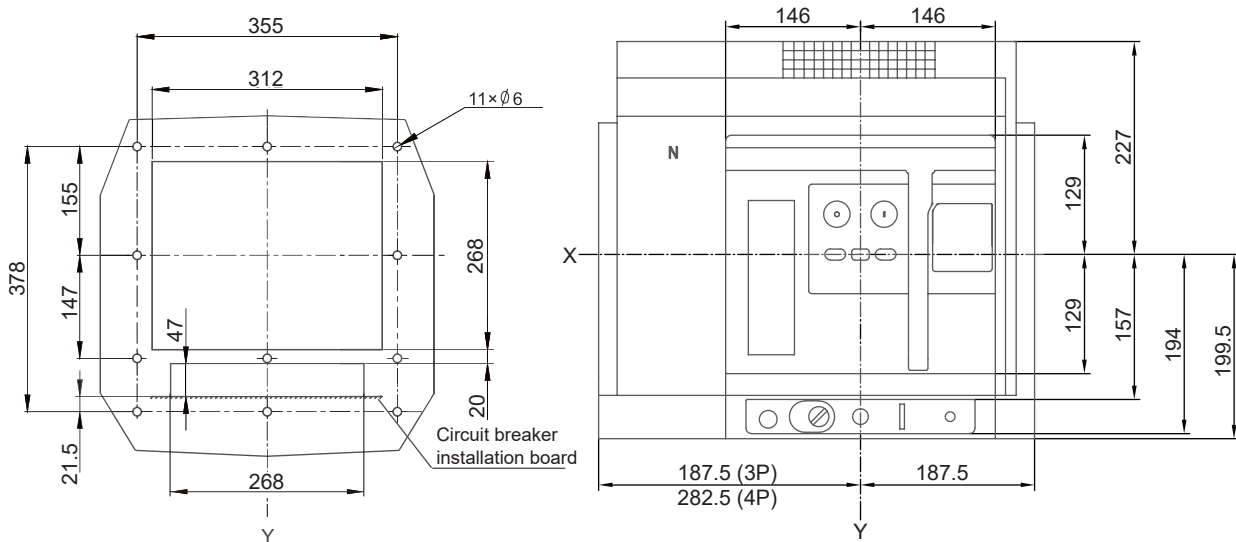
Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

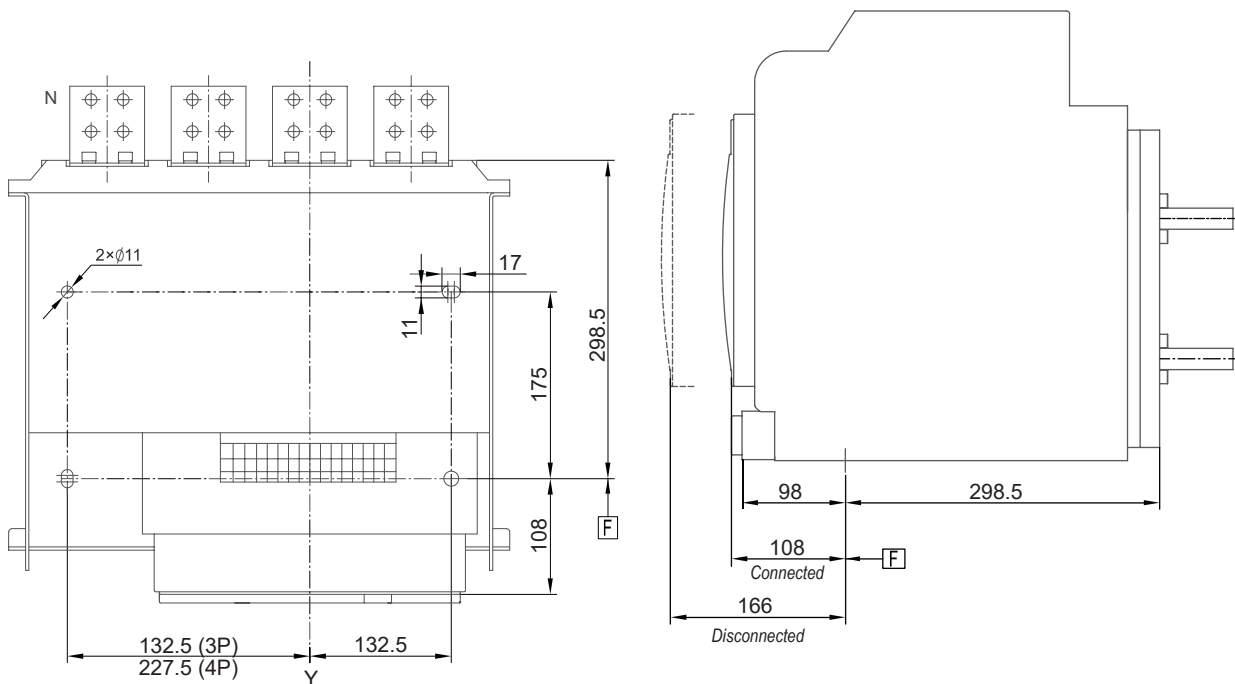
Dimensions - withdrawable version

Front dimensions

mm



Installation dimensions



X, Y - door cut-out centering
F - Mounting screw reference point

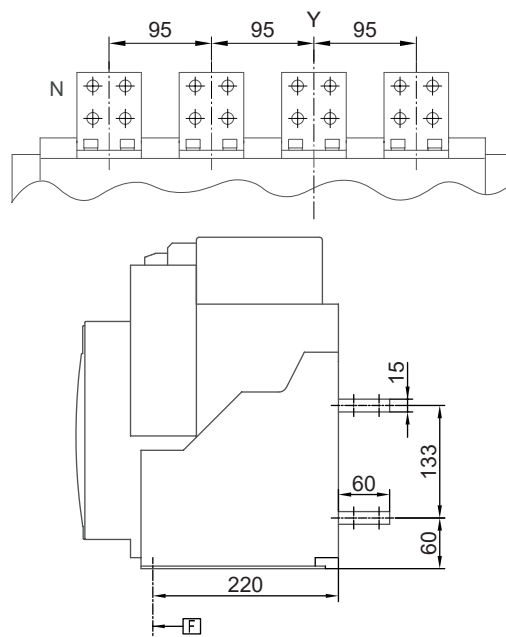
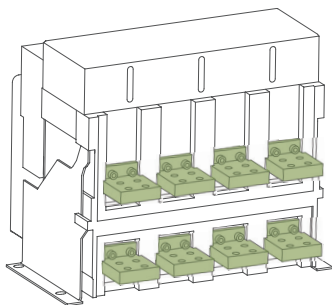
Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

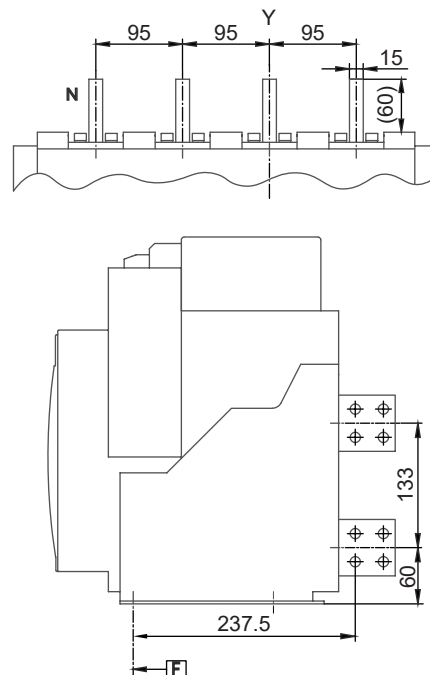
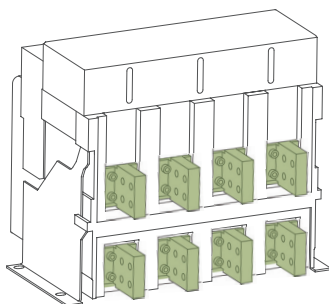
Power connectors dimensions 1000 — 1600 A (Fixed)

Horizontal connection

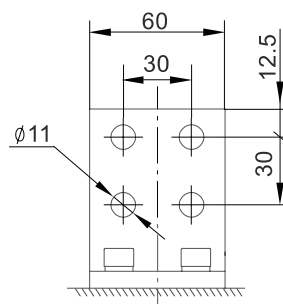
mm



Vertical connection



Horizontal / Vertical Power connector

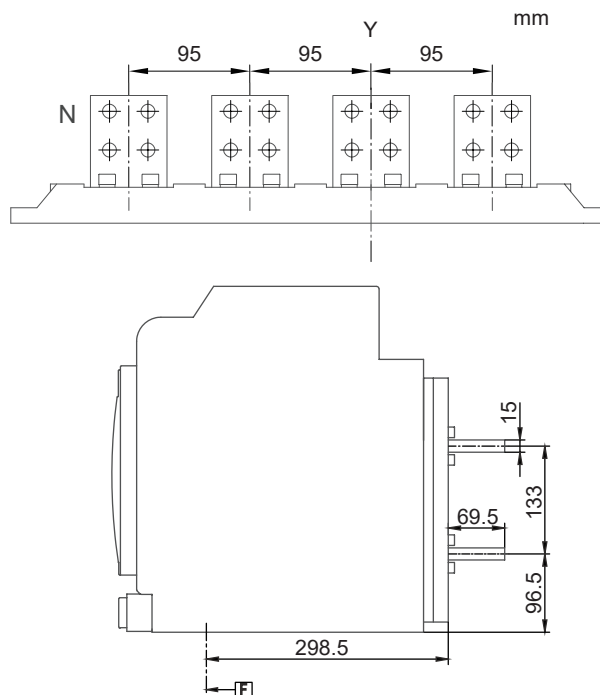
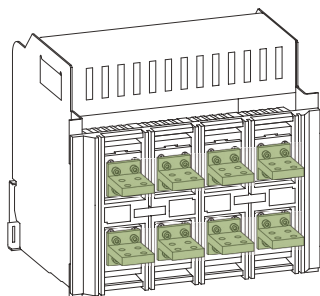


Technical Data Ex9ASD25

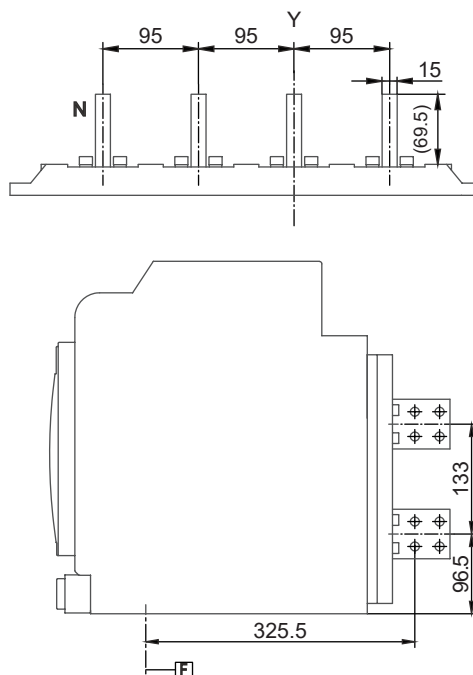
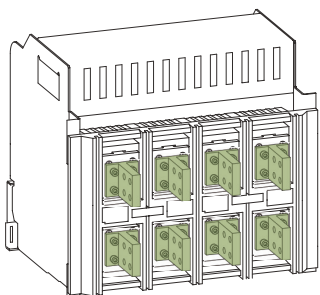
Air Switch Disconnectors up to 2500 A

Power connectors dimensions 1000 — 1600 A (Withdrawable)

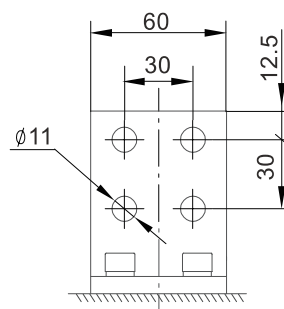
Horizontal connection



Vertical connection



Horizontal / Vertical Power connector



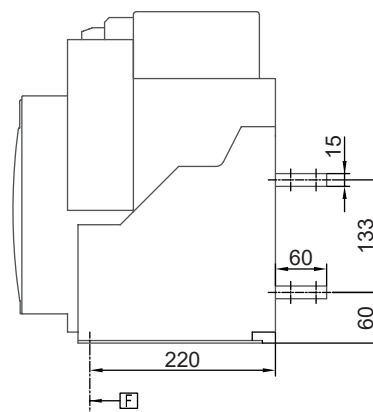
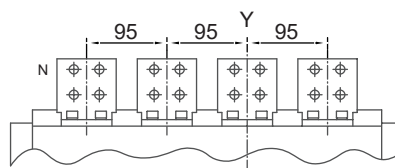
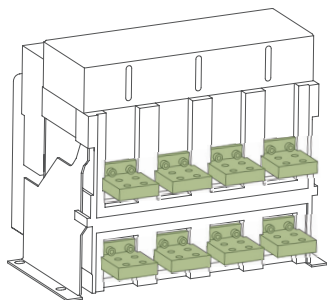
Technical Data Ex9ASD25

Air Switch Disconnectors up to 2500 A

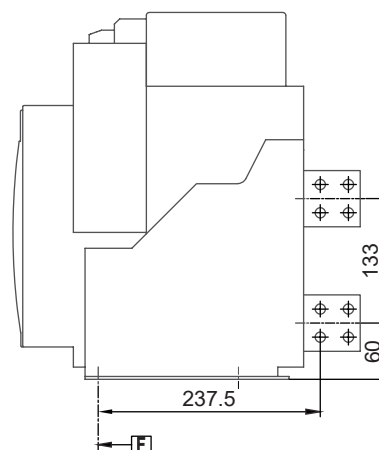
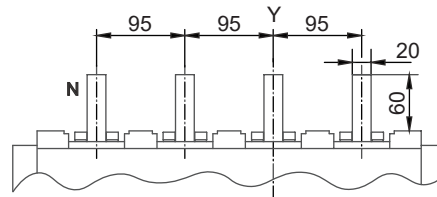
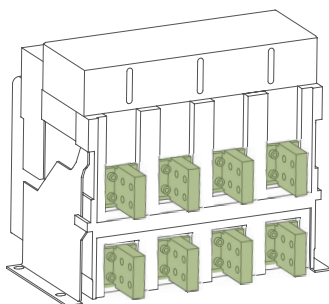
Power connectors dimensions 2000 — 2500 A (Fixed)

Horizontal connection

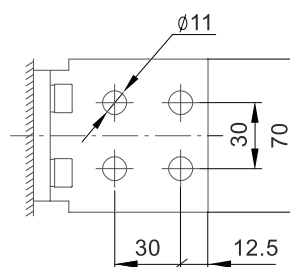
mm



Vertical connection



Horizontal / Vertical Power connector

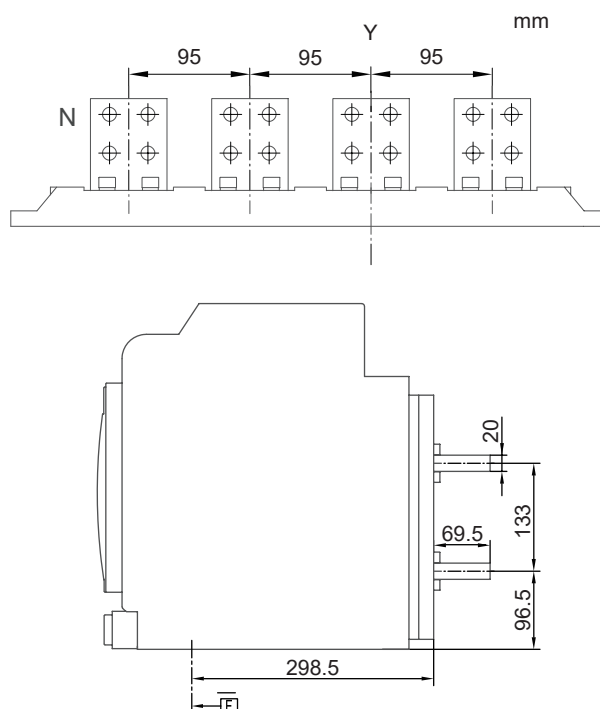
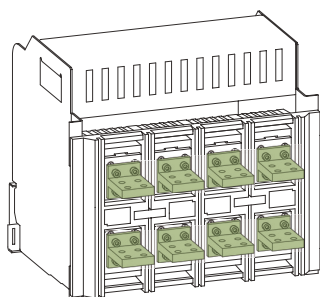


Technical Data Ex9ASD25

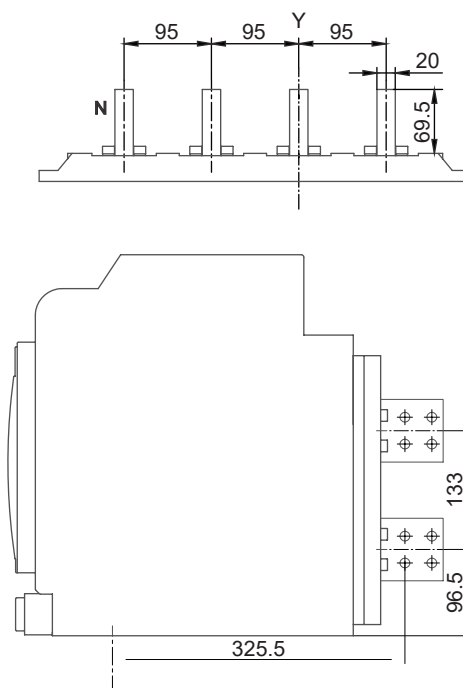
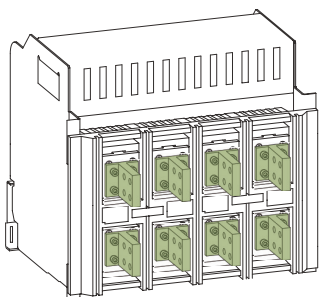
Air Switch Disconnectors up to 2500 A

Power connectors dimensions 2000 — 2500 A (Withdrawable)

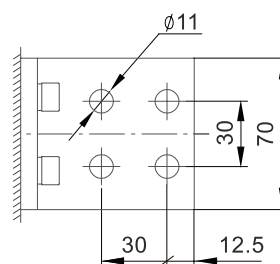
Horizontal connection



Vertical connection



Horizontal / Vertical Power connector



Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

General parameters

Suitable for commercial as well as industrial applications

Internal accessories

Auxiliary contact unit	AX12	112400 — 112403
Closing releases	XF12	112432 — 112437
Shunt trip releases	SHT12	112418 — 112423
Undervoltage releases	UVT12	112446 — 112451
Motor drive operator	MD13	112466 — 112470
Key lock	KLK12	112475 — 112477
Position indicator	+EF12	112508
Pushbutton lock	+VBP12	112510

External accessories

Phase barriers - Fixed	PHS13	112498, 112499
Phase barriers - Withdrawable	DPS13	112492, 112493
Mechanical interlocks	IPA12	112502, 112505

Accessories marked with " + " must be preordered together with the circuit breaker, since separate purchase is not allowed due to mechanical / software adaptation requirements

In any case, it is recommended to directly communicate with the technical +SUpport or your representative sales engineer in order to confirm all the possible configurations and additional personalizations of the selected product

Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

Electrical parameters

	Ex9ASD40
Tested according to	IEC / EN 60947-3
Rated operational voltage U_e	380 / 400 / 415 / 660 / 690 V AC
Rated insulation voltage U_i	1500 V
Rated impulse withstand voltage U_{imp}	12 kV
Rated current I_e at 40°C	3200 / 4000 A
Rated frequency f	50 / 60 Hz
Short-time (1s) withstand current I_{cw} at 415 V	85 kA
Rated making (peak) current I_{cm} at 415 V	187 kA
Poles	3P / 4P
Breaking operation time	20 — 30 ms
Closing operation time	< 70 ms
Arcing distance	0
Isolation function	yes
Electrical service life at 415 V	6000 operation cycles
Mechanical service life	10000 operation cycles without maintenance 20000 operation cycles with maintenance
Operating frequency	20 operating cycles per hour
Overvoltage category	IV (main circuit) / III (secondary circuit)
Utilization category	AC-22A / AC-23A
Line voltage connection	arbitrary above or below

Mechanical parameters

	fixed	withdrawable
Device width (3P / 4P)	424 mm / 539 mm	437 mm / 552 mm
Device height	390 mm	430 mm
Device depth	304 mm	401 mm
Degree of protection	IP20	
Ambient temperature	-25°C — +60°C	
Storage temperature	-40°C — +85°C	
Altitude	< 2000 m	
Relative humidity	< 90 %	
Installation category	IV	
Pollution degree	3	
Weight (3P / 4P)	70 kg / 84 kg	116 kg / 138 kg (including cassette)

Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

Power dissipation at 3P connection

Rated current [A]	Fixed version	Withdrawable version
3200 A	260 W	600 W
4000 A	420 W	670 W

Temperature derating

$T [^{\circ}\text{C}]$	$I_u (T) [\text{A}]$	
	$I_n = 3200 \text{ A}$	$I_n = 4000 \text{ A}$
-25 — +45	3200	4000
50	3200	3900
55	3100	3800
60	3000	3700

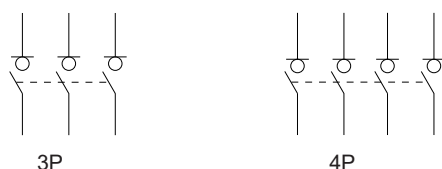
Altitude derating

Altitude	2000 m	3000 m	4000 m	5000 m
Impulse withstand voltage U_{imp}	3500 V	3000 V	2500 V	2000 V
Insulation voltage U_i	1000 V AC	800 V AC	700 V AC	600 V AC
Rated voltage U_e	690 V AC	580 V AC	500 V AC	400 V AC
Rated uninterrupted current I_u	$1 \times I_u(T)$	$0.96 \times I_u(T)$	$0.91 \times I_u(T)$	$0.87 \times I_u(T)$

Secondary terminals

Secondary terminals	screw type
Terminals capacity	0.5 — 1.2 mm ²

Main terminals wiring diagrams



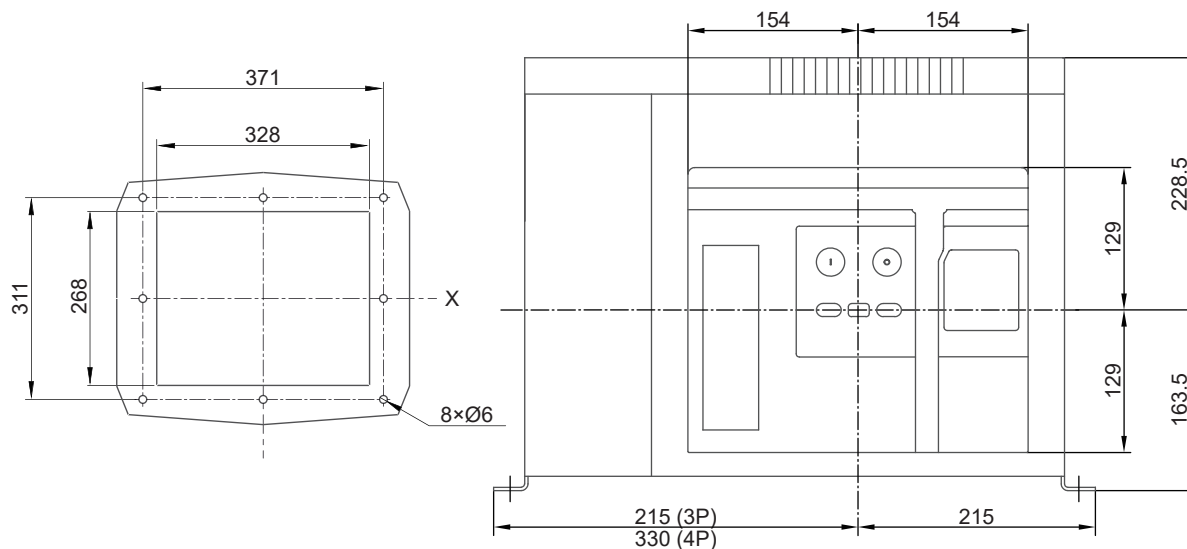
Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

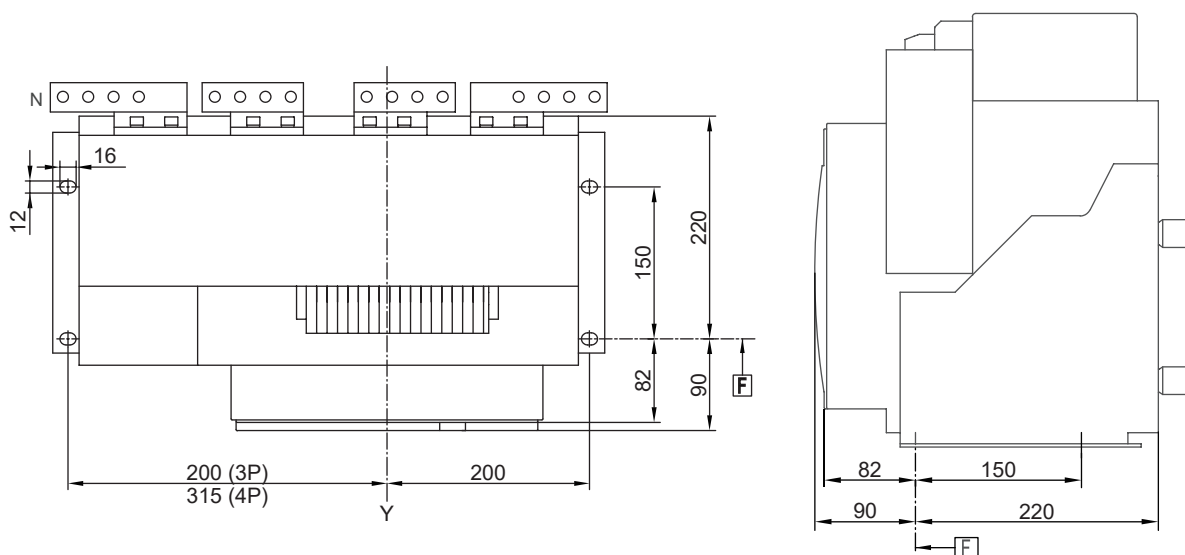
Dimensions - Fixed version

Front dimensions

mm



Installation dimensions



X, Y - door cut-out centering
F - Mounting screw reference point

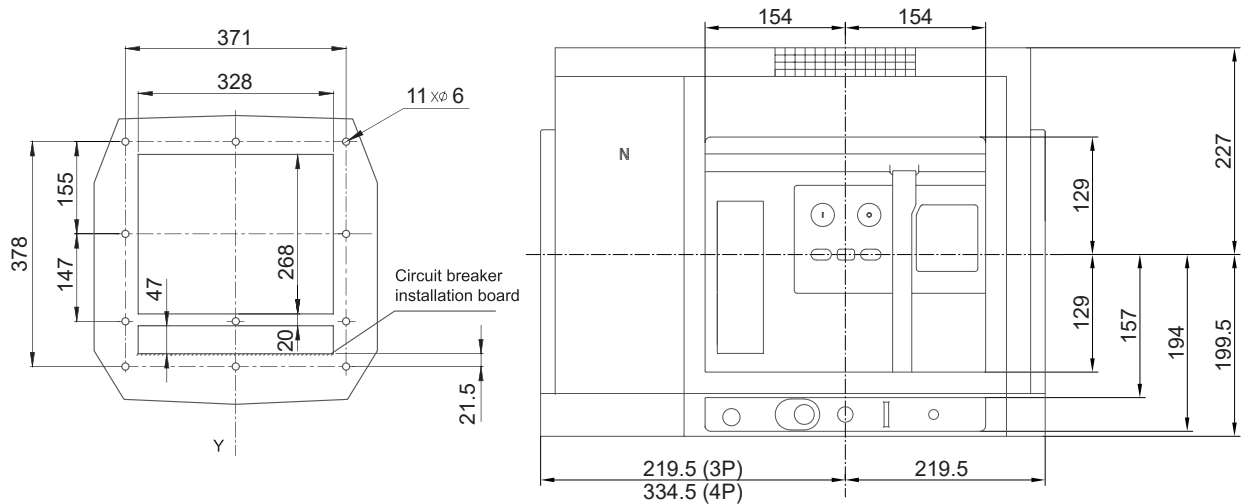
Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

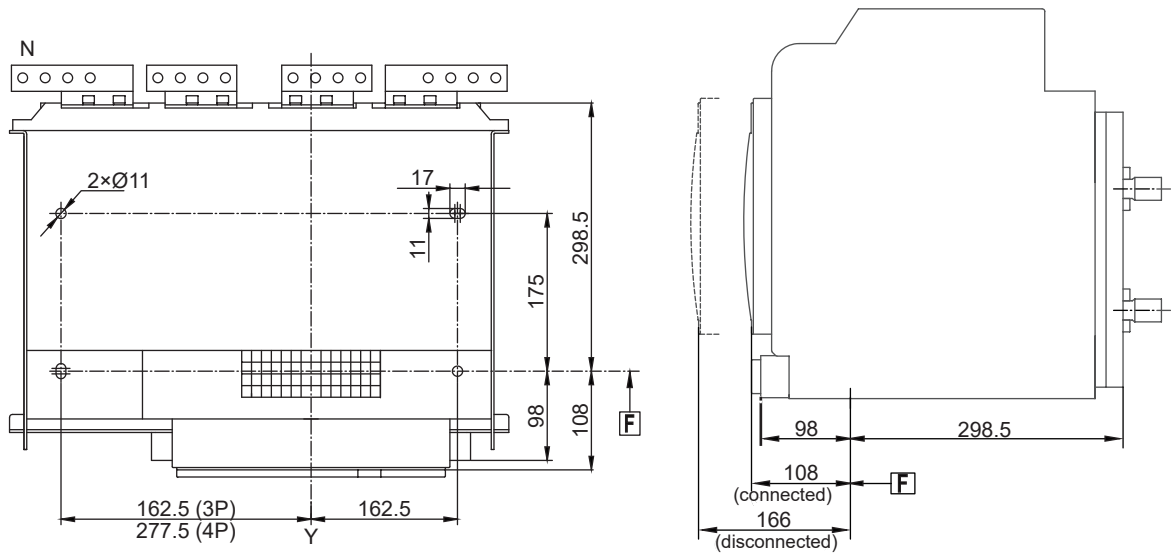
Dimensions - withdrawable version

Front dimensions

mm



Installation dimensions



X, Y - door cut-out centering
F - minimum depth of mounting support panel

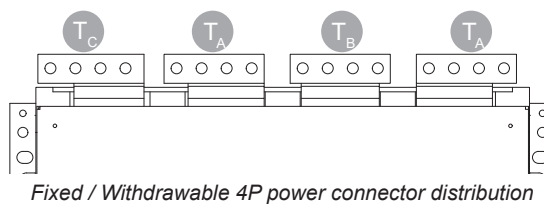
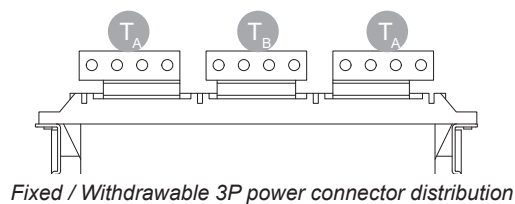
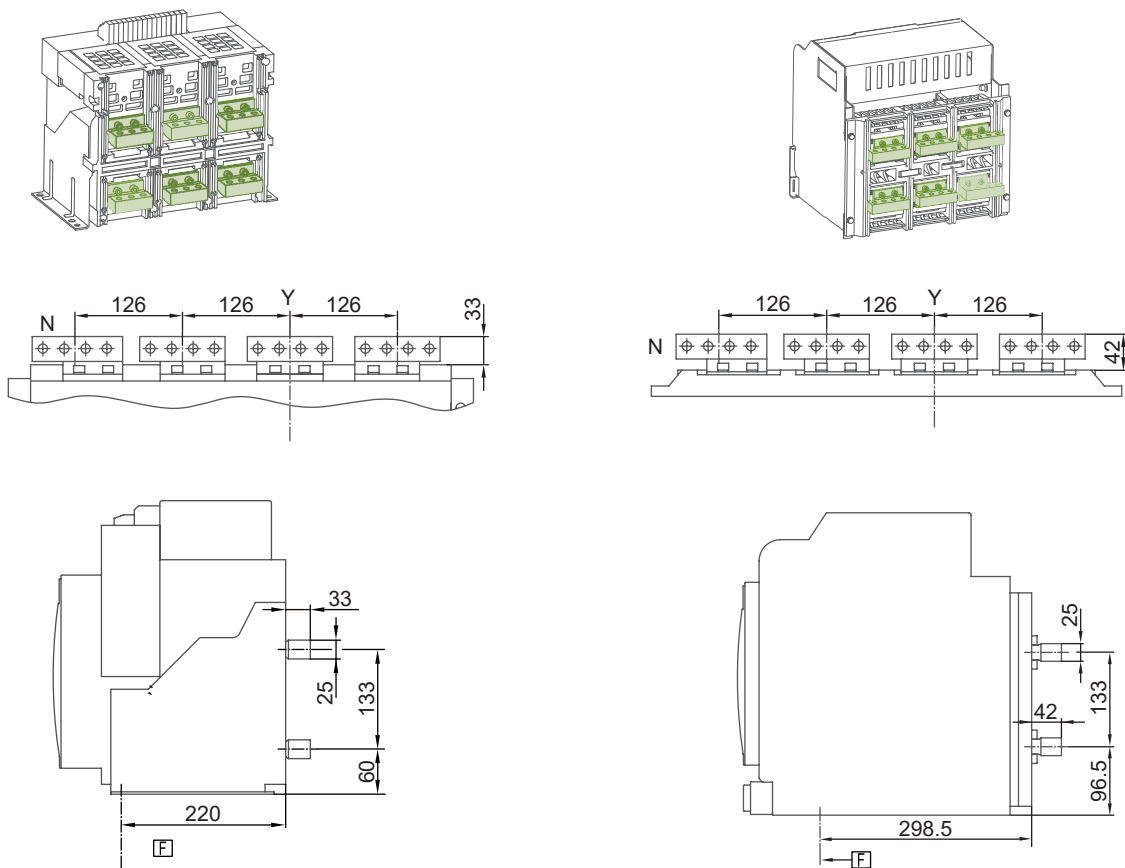
Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

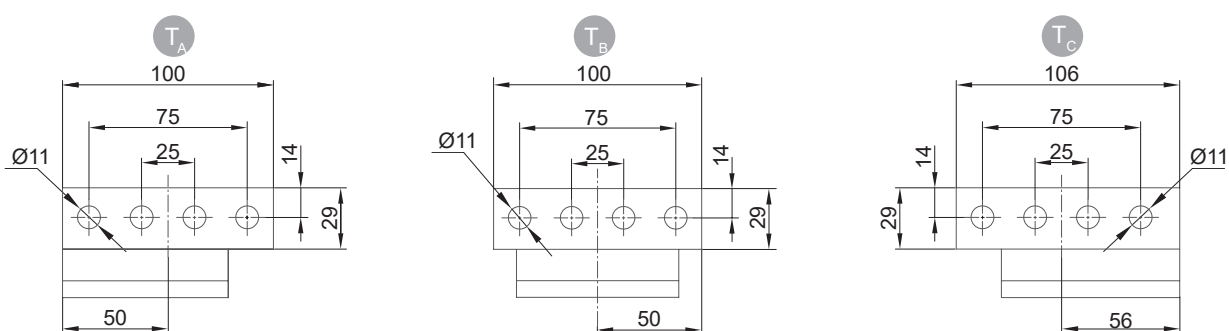
Power connectors dimensions 3200 A (Horizontal)

Horizontal connection Fixed / Withdrawable

mm



Horizontal power connector Fixed / Withdrawable



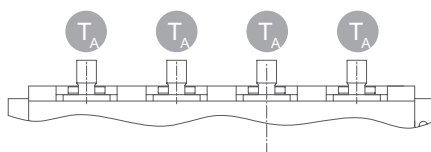
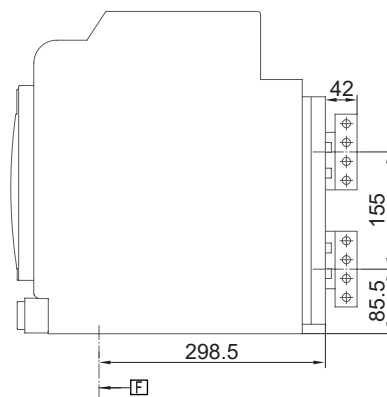
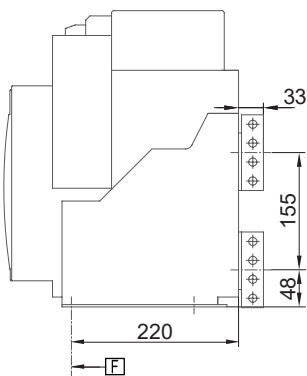
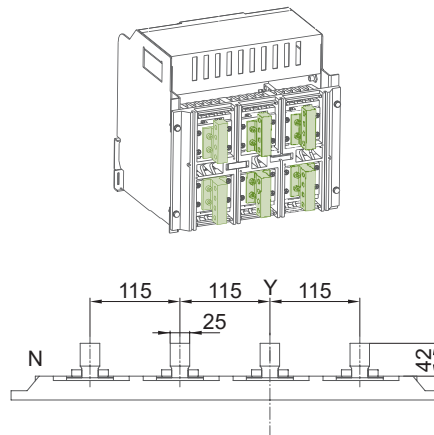
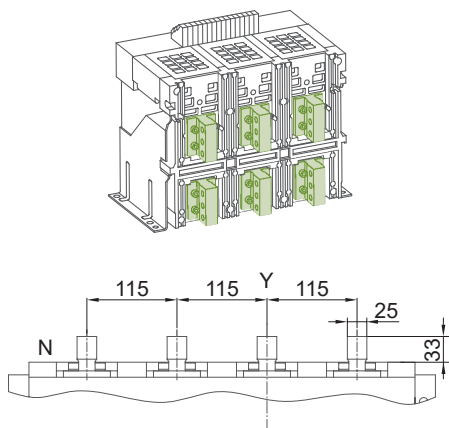
Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

Power connectors dimensions 3200 A (Vertical)

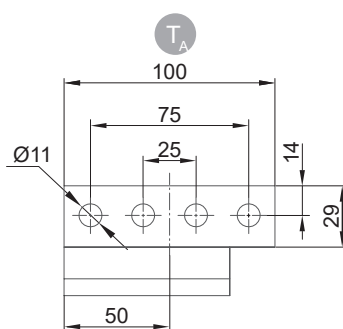
Vertical connection Fixed / Withdrawable

mm



Fixed / Withdrawable 3P / 4P power connector distribution

Horizontal power connector Fixed / Withdrawable



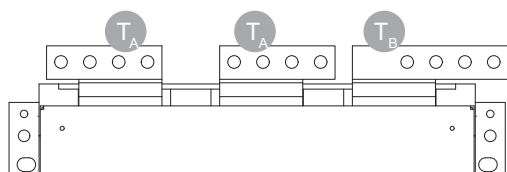
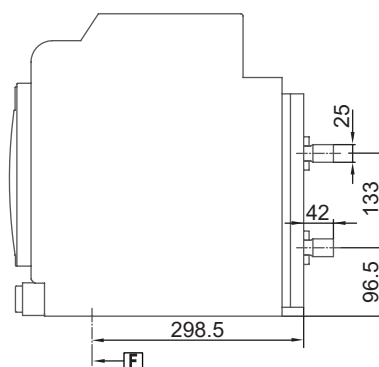
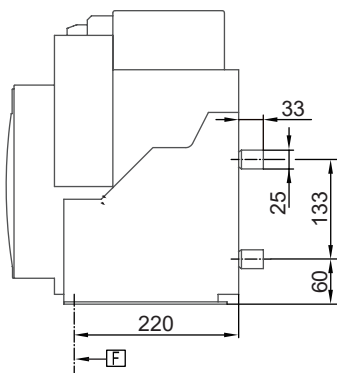
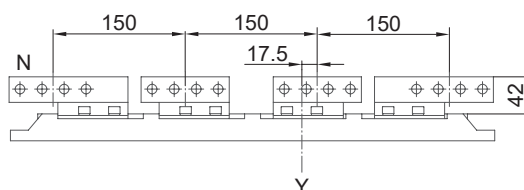
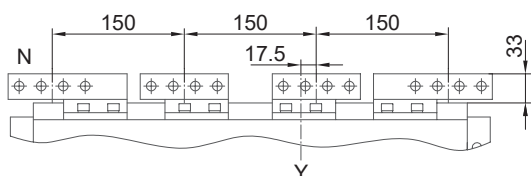
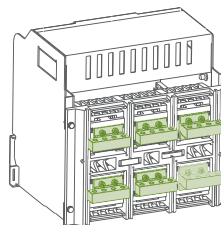
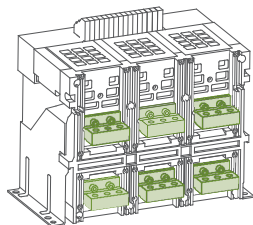
Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

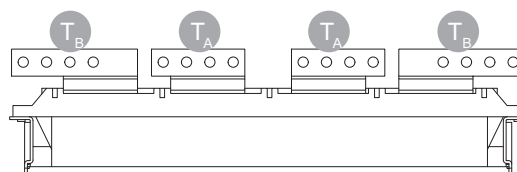
Power connectors dimensions 4000 A (Horizontal)

Horizontal connection Fixed / Withdrawable

mm

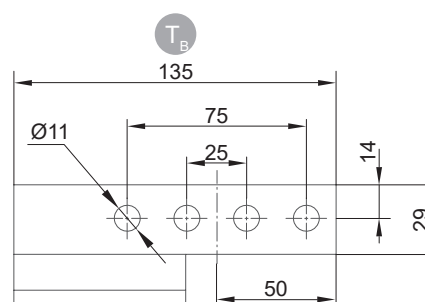
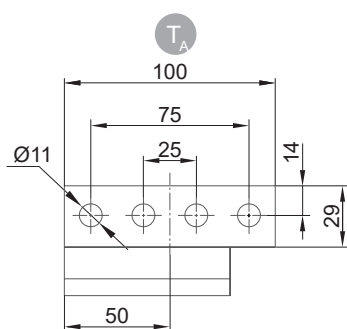


Fixed / Withdrawable 3P power connector distribution



Fixed / Withdrawable 4P power connector distribution

Horizontal power connector Fixed / Withdrawable



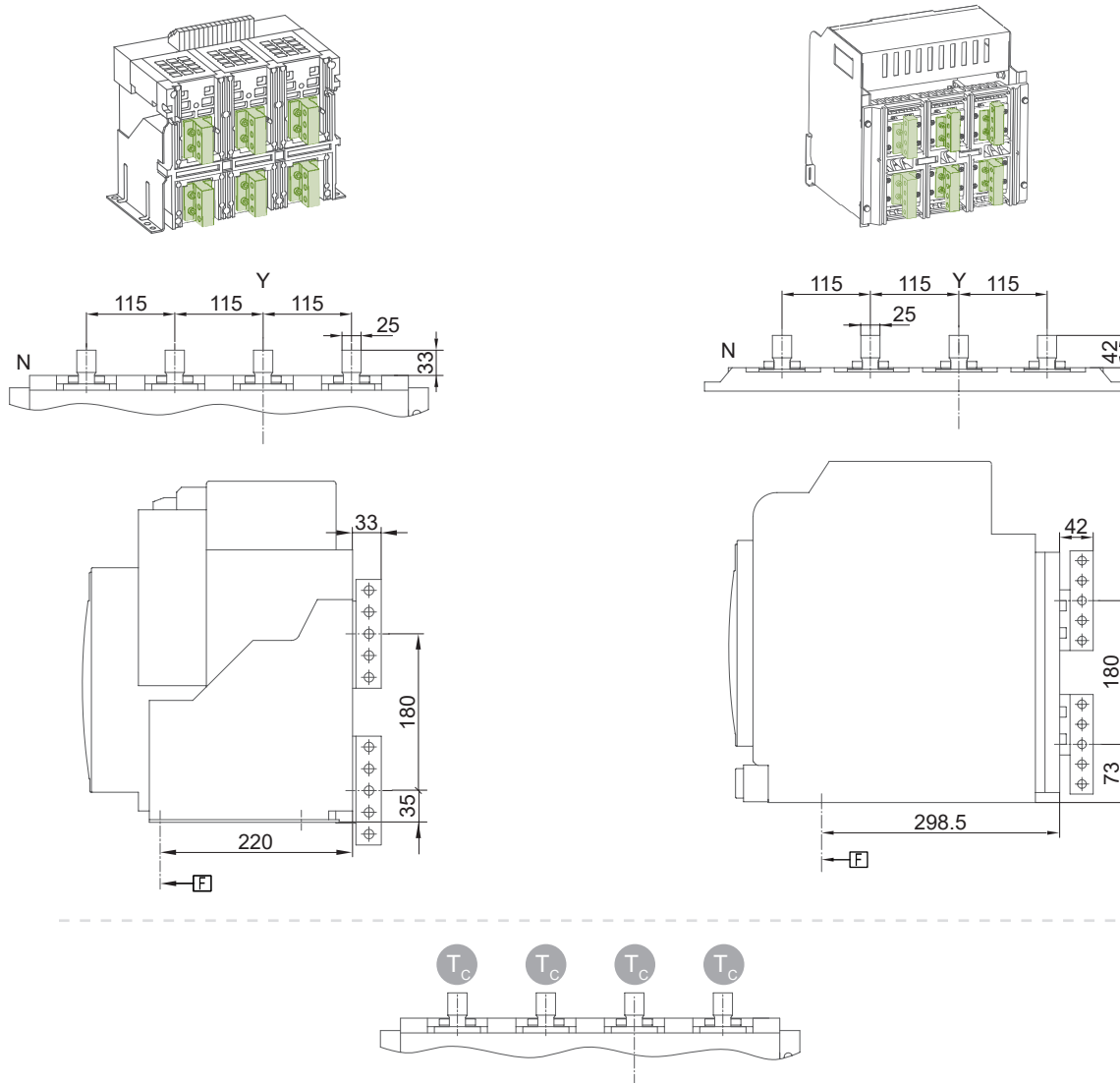
Technical Data Ex9ASD up to 4000 A

Air Switch Disconnectors frame size A40 up to 4000 A

Power connectors dimensions 4000 A (Vertical)

Vertical connection Fixed / Withdrawable

mm



Fixed / Withdrawable 3P / 4P power connector distribution

Horizontal power connector Fixed / Withdrawable

