





SENTRON switch disconnectors:

Full range – full power!

Buildings are becoming increasingly more intelligent, production plants and systems continually more flexible and this means that low-voltage power distribution is truly becoming a "main artery" – as never before.

The current to power electric loads must flow – reliably, cost-effectively and safely.

So that this really happens, we are offering something quite unique: Products that are harmonized with one another so that your requirements can be mastered easily. This technology has a name: SENTRON – the complete range of devices from 16 A to 6300 A, from well-proven switch disconnectors up to the intelligent circuit-breakers 3VL and 3WL.

Let yourself be inspired.

For every task, every application and every concept. The optimum disconnector.

Take the time and see for yourself.

	3LD main control and EMERGENCY-STOP switches:
S YY	For safe disconnection if the plant must be isolated
	from the line supply for a longer period of time Pages 04–05
100	3K switch disconnectors:
	Whether with or without fuses – complete
C PRODUCTION AND	safety and performance in every version up to
和当以	the moulded-plastic enclosure with IP65 Pages 06–09
	3NP fuse switch disconnectors:
A S A COLD	For 100% protection against overload and
MPL NI	short-circuit without any residual risk Pages 10–11
	3NP4 standard series of switch disconnectors –
	the universal solution for practically every application
	from the meter cabinet up to power distribution in
	large industrial plants and systems Pages 10–11
	3NP5 compact series of load switch disconnectors –
	can also be used when the going gets tough Pages 10–11
音音	3NJ fuse in-line switch disconnectors –
· E E	the strong combination for switching loads and
	isolating with integrated low-voltage HRC fuses Pages 12–13
FIF	3NJ4 fuse switch disconnectors –
	continue to conduct the short-circuit current
	so that the plant or system can be ramped down
	in a controlled fashion Pages 12–13
	3NJ6 plug-in switch disconnectors
	with fuses –
	the solution also when it comes to manually
	the solution also when it comes to manually

distribution systems. Pages 12–13



SENTRON switch disconnectors:

Well-proven, cost-effective – but always up-to-date!

When all is said and done, there is one main issue when it comes to power circuits: Safe switching. In this area, switch disconnectors have always played an extremely important role as reliable circuit elements. Whether with fuses or without fuses. And there are at least five good reasons why these switch disconnectors should be called SENTRON.

- Because SENTRON switch disconnectors represent the experience gained from millions of applications – and therefore nothing can throw them. And especially not when it comes to safety-related applications, in environments containing sulfur or in potentially hazardous zones.
- Because SENTRON switch disconnectors only have one claim: Maximum quality.

 We have achieved this as our production environment and highest quality standards have been fine-tuned over many years a SENTRON switch disconnector never lets anybody down.

- Because SENTRON switch disconnectors can be used to address new requirements. As we continue to develop and innovate well-proven products.
- Because SENTRON switch disconnectors offer many application solutions – with a complete portfolio of products and a seamless range of associated accessories.
- Because SENTRON switch disconnectors ensure professional planning and safe operation – the reasons range from the clear, complete documentation up to Siemens' global support.

Switch disconnectors – the highlights:

- Wide product range
- Extensive range of accessories
- Can be simply retrofitted
- Fast mounting and installation

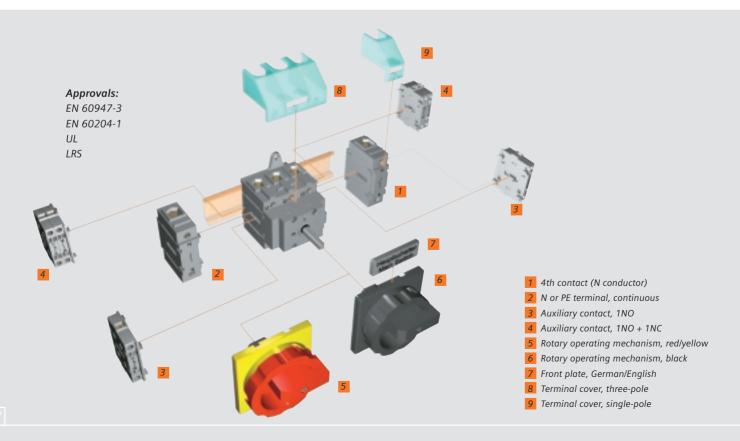


SENTRON main control and EMERGENCY-STOP switches 3LD:

Simple. Modular.

When repair or maintenance work is being carried out, the plant or system is disconnected and isolated from the line supply – naturally also when faults occur. Disconnectors that isolate systems from the line supply ensure that the complete electrical equipment can be safely disconnected and isolated.

Main control and EMERGENCY-STOP switches are here to stay – especially in all types of processing machines in the machinery and conveyor system construction, in the chemical and food & beverage industries. They cover an extremely broad range of applications: They can switch three-phase motors just the same as HVAC systems up to 45 kW.



Main control and EMERGENCY-STOP switches 3LD can be used as switches for front or base mounting, as switches in distribution panels and as switches in moulded-plastic enclosures in conjunction with rotary door-coupling drive mechanisms.



Technical data: Main control and EMERGE	NCY-S1	OP switch	es 3LD				
Standards		IEC 60947	, VDE 0660				
Disconnector	Туре	3LD2 0	3LD2 1	3LD2 2	3LD2 5	3LD2 7	3LD2 8
Number of contacts		3/4	3/4	3/4	3/4	3/4	3/4
Rated insulating voltage U _i	V	690	690	690	690	690	690
Rated operating voltage U _e	AC V	690	690	690	690	690	690
Rated frequency	Hz	50 60	50 60	50 60	50 60	50 60	50 60
Rated impulse withstand voltage strength U _{imp}	kV	6	6	6	6	6	6
Rated short-time current strength							
(1-s current, RMS value)	Α	340	640	640	1260	2000	2000
Short-circuit protection, max. back-up fuse (gL)	Α	20	25	50	63	100	125
Rated continuous current Iu	Α	16	25	32	63	100	125
AC-21A load switch							
Rated operating current I _e	Α	16	25	32	63	100	125
AC-3 motor switch, individual							
motors can be operationally switched							
Rated operating power							
at 220 V 240 V	kW	3.0	4.0	5.5	11.0	18.5	22.0
at 380 V 440 V	kW	5.5	7.5	9.5	18.5	30.0	37.0
at 660 V/690 V	kW	5.5	7.5	9.5	15.0	22.0	30.0
AC-23A main switch, repair switch							
individual motors can be frequently							
switched but not operationally							
Rated operating power							
at 220 V 240 V	kW	4.0	5.0	6.0	11.0	18.5	22.0
at 380 V 440 V	kW	7.5	9.5	11.5	22.0	37.0	45.0
at 660 V/690 V	kW	7.5	9.5	11.5	18.5	30.0	37.0

SENTRON switch disconnectors 3KA/3KE:Switching without fuses.

The specialists for fuseless disconnection

These switch disconnectors without fuses are used in distribution systems in residential and commercial buildings as well as in industrial switchboards. Switch disconnectors 3KA and 3KE reliably "isolate" and "switch under load" the specified rated current through either three or four phases. This means that they are predestined as main control, EMERGENCY-STOP, repair or line changeover switch – and they guarantee safe isolation in all low-voltage networks.

Standards	IEC 60947	'-1, IEC 609	47-3, VDE (0660 Part 1	07			
Disconnector	Type	3KA50	3KA51	3KA52	3KA53	3KA55	3KA57	3KA58
Rated continuous current I _u	Α	63	80	125	160	250	400	630
Rated operating voltage U _e 50 Hz/60 Hz AC DC	V V V		nducting pa					
Rated short-circuit making capacity with upstream fuses at 690 V AC 50Hz/60 Hz	kA (peak value)	220	220	220	220	220	220	220
Rated conditional short-circuit current with upstream fuses at 690 V AC 50 Hz/60 Hz Max. rated current I _n of the fuses Permissible let-through current of fuses Max. permissible I ² t let-through value	kA (peak value) A	100 63 8 55	100 80 10 55	100 160 17 223	100 160 17 223	80 400 30 1000	80 400 30 1000	50 630 40 2600
Switching capacity (feed from either at 400 V AC Breaking current I_c (cos ϕ = 0.35)	the top or bottom) A (RMS value)	500	650	1000	1280	2000	3200	5040
AC-21A, AC-22A, AC-23A Motor switching capacity AC-23A at 500 V AC	A kW	63 30	80 40	125 65	160 80	250 132	400 200	630 350
Breaking current I_c (cos ϕ = 0.35) Rated operating current I_e at	A (RMS value)	500	640	1000	1280	2000	3200	3200
AC-21A, AC-22A AC-23A Motor switching capacity AC-23A	A A kW	63 63 40	80 80 50	125 90	160 160 110	250 250 185	400 400 280	630 400 280
at 690 V AC Breaking current I_c (cos ϕ = 0.35) Rated operating current I_e at	A (RMS value)	500	500	1000	1280	2000	3200	3200
AC-21A, AC-22A AC-23A Motor switching capacity AC-23A	A A kW	63 63 50	80 63 50	125 125 110	160 160 150	250 250 220	400 400 375	630 400 375
at 440 V DC (3 conducting paths conducting paths conducting current I_c (L/R = 15 ms) Rated operating current I_e for DC-23A	****	250 63	260 63	500 125	640 160	1000 250	1600 400	1600 400



The complete series of SENTRON switch disconnectors without fuses:

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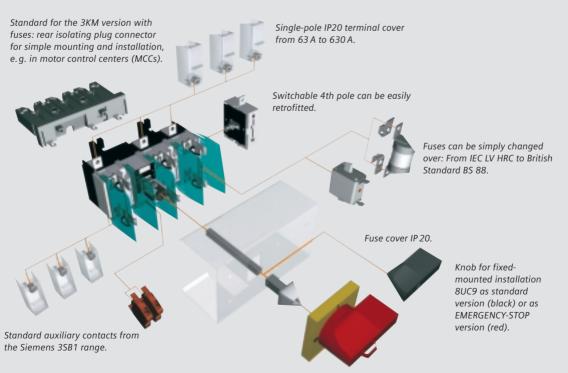
Standards		IEC 60947-	1, IEC 60947	7-3, VDE 066	50 Part 107
Disconnector	Туре	3KE42	3KE43	3KE44	3KE45
Rated continuous current Iu	А	250	400	630	1000
Rated operating voltage U _e 50 Hz/60 Hz AC DC	V V V		ducting path		
Rated short-circuit making capacity at 690 V AC 50Hz/60 Hz	kA (peak value)	35	35	60	60
Rated short-circuit making capacity with upstream fuses at 690 V AC 50Hz/60 Hz	kA (peak value)	105	105	105	84
Rated conditional short-circuit current with upstream fuses at 690 V AC 50 Hz/60 Hz Switching capacity (feed from either the top or bottom) at 400 V AC	kA (RMS value)	50	50	50	40
Breaking current I_c (cos $\phi=0.35$) Rated operating current I_e at	A (RMS value)	1000	1000	2520	2520
AC-21A AC-22A AC-23A at 500 V AC	A A A	250 250 125	440 330 125	630 630 315	1000 800 315
Breaking current I_c (cos φ = 0.35) Rated operating current I_e at	A (RMS value)	1000	1000	2520	2520
AC-21A AC-22A AC-23A at 690 V AC	A A A	250 250 125	400 330 125	630 630 315	1000 800 315
Breaking current I_c (cos φ = 0.35) Rated operating current I_e at	A (RMS value)	1000	1000	2520	2520
AC-21A AC-22A AC-23A at 440 V DC (3 conducting paths connected in series)	A A A	250 250 125	400 330 315	630 630 315	1000 800 315
Breaking current I _c (L/R = 5 ms) Rated operating current I _e at DC-21A DC-22A	A A A	1000 250 250	1000 400 250	2520 630 630	2520 1000 630

SENTRON switch disconnectors 3KL/3KM:Switching with fuses.

Fuse protection against short-circuit and overload

Switch disconnectors 3KL and 3KM have fuses which means that they additionally provide protection against overload and short-circuit. Their ideal application: As main control and EMERGENCY-STOP switch for switchboards, distribution panels and motor feeders.

Switch disconnectors 3KL and 3KM can be retrofitted in compliance with IEC or British Standard, as frequency converter protection or for fast mounting onto busbars. When they are equipped with SITOR semiconductor protection fuses, they are even suitable for the highest requirements – e.g. in UPS systems, frequency converters or capacitor control systems.



Rotary door-coupling drive mechanism 8UC6 with automatic tolerance compensation: \pm 5 mm in the horizontal and vertical axes: Standard (black) or EMERGENCY-STOP version (red/yellow) – all of the components from the switch to the operating mechanism have a non-interchangeability function.



The complete series of SENTRON switch disconnectors with fuses: 3KL, 3KM and the rotary door-coupling drive mechanism

Tochnica	I data: Switch	disconnectors 3	KI /SKM
recrimica	ı uata: Switcii	i disconnectors a	DRL/ORIVI

Standards		IEC 60947-	1, IEC 6094	17-3, VDE C	0660 Part 10	07		
Disconnector	Туре	3KL50 3KM50	3KL52 3KM52	3KL53 3KM53	3KL55 3KM55	3KL57 3KM57	3KL61	3KL62
Rated continuous current I _u	А	63	125	160	250	400	630	800
for fuse links acc. to DIN 43620 (when semiconductor protection fuse linare used, the rated current must be recrefer to the SITOR Catalog, Engineering (order No. E20001–A700–P302)	duced,	00 and 000	00 and 000	00 and 000	1 and 2	1 and 2	3 and 2	3 and 2
Rated operating voltage U _e 50 Hz/60 Hz AC DC	V V V		ducting pat					
Rated short-circuit making capacity with fuses			3 1					
at 690 V AC 50Hz/60 Hz	kA (peak value)	220	220	220	176	176	105	105
Rated short-circuit making capacity with fuses								
at 690 V AC 50Hz/60 Hz max. operating current I _n of the fuses max. permissible power loss of the mou	kA (peak value) A	100 80	100 160	100 160	80 400	80 400	50 630	50 800
NH	W	6	9	11.5	32	45	48	62
BS	W	8 (A2/A3)	-	11.5	32	45	48	60.5
Permissible let-through current of the	uses kA	8	17	17	30	30	50	50
Max. permissible I²t let-through value	kA ² s	55	223	223	1000	1000	5400	10500
Rated conditional short-circuit curre	nt							
with upstream fuses at 690 V AC 50 Hz/60 Hz	kA (RMS value)	50	50	50	40			
Switching capacity (feed from either	,	50	50	50	40			
at AC 400 V	the top of bottom,							
Breaking current I_c (cos ϕ = 0.35) Rated operating current I_e at	A (RMS value)	500	1000	1280	2000	3200	5100	6400
AC-21A, AC-22A, AC-23A	А	63	125	160	250	400	630	800
Motor switching capacity AC-23A at AC 500 V	kW	30	65	80	132	200	335	400
Breaking current I_c (cos $\varphi = 0.35$) Rated operating current I_e at	A (RMS value)	500	1000	1280	2000	3200	5100	6400
AC-21A, AC-22A, AC-23A	А	63	125	160	250	400	630	630
Motor switching capacity AC-23A	kW	40	90	110	185	280	425	500
at AC 690 V	A (DMC value)	500	1000	1280	2000	3200	5100	6400
Breaking current I_c (cos $\varphi = 0.35$) Rated operating current I_e at	A (RMS value)	300	1000	1200	2000	3200	3100	0400
AC-21A, AC-22A, AC-23A	А	63	125	160	250	400	630	800
Motor switching capacity AC-23A	kW	50	110	150	220	375	560	700
at DC 440 V (3 conducting paths con	nected in series)							
Breaking current I_c (L/R = 15 ms)	A	250	500	640	100	1600	2520	2520
Rated operating current l _e at DC-23A	A (DMC	63	125	160	250	400	630	630
Rated short-time current (1-s current	t) A (RMS value)	2.5	3.2	3.2	8	11	32	32

SENTRON fuse switch disconnectors 3NP:Protection against overload and short-circuit.

Optimally solved: The matching frame and complete TTA type-tested mounting kits are available for the 8HP moulded-plastic distribution system as well as for the various SIKUS distribution cabinets.

When it comes to high requirements, there are no alternatives to our fuse switch disconnector 3NP. The reasons are quite clear: Even high short-circuit currents are safely handled and controlled, competitively priced back-up protection is provided, as well as straightforward selectivity calculations and absolute reliability – even when short-circuits occur. The fuse ruptures 100% – this means that there is absolutely no chance of any residual risk because of welded contacts.

There are two 3NP series in the SENTRON family. Both have some common features such as the large, clear window which allows the fuses to be clearly identified. The same goes for the visible isolating gap that is often required for maintenance and service purposes. Additional safety is provided when the optional fusemonitoring function is used.

All of these features mean that the fuse switch disconnector 3NP is a device that fulfills the highest plant and system availability. We do quite a lot to achieve this: From shock and vibration testing up to special earthquake tests – to ensure safe and secure use in marine systems, nuclear power stations and other applications that are critical from a safety perspective.



Quickly mounted onto all busbars

With our standard 3NP4 series (size NH000 up to NH3), you have made the optimum choice for the majority of applications – from power distribution in residential and commercial buildings through flexible distribution stations up to power distribution in large industrial plants. Our fuse switch disconnectors 3NP4 also shine when used as main and feed-in switches in industry, control panel building and in motor feeders as well as back-up protection for circuit-breakers. The sealing lug means that the 3NP4 fuse switch disconnectors can be used in meter cabinets and service entry boxes in residential buildings without any restrictions. The same applies for DIN rails, mounting panels, and busbar systems.

For the highest requirements in tough environments

These really are rugged devices: Our 3NP5 fuse switch disconnectors (sizes NH00 to NH3) also provide reliable protection where switch disconnectors must stand up to a lot. This is especially true in mining, in the steel industry and also in the chemical industry. The 3NP5 series as well as the 3NP40 1 and 3NP40 7 versions are available in a galvanized design for use in environments with a significant amount of sulfur. These switch disconnectors provide the highest degree of safety for the plant and operating personnel when used as main control switches with good AC-23 characteristics – e.g. for motor loads.

Technical data: Fuse switch disconnect	ove DND												
Standards	Ors 5MP	i	IEC 6004	7 2 1/05	0660 Pa	w+ 107	IFC 60047	1 150	60047	2 \/DI	- 0666) Dort 1	107
	_	IEC 60947-1					IEC 60947						
Disconnector	Type	3NP40 1	3NP40 7					3NP5	2	3NP5	3	3NP5	4
Rated continuous current I _u	Α	160	160	250	400	630	160	250		400		630	
Rated operating voltage U _e for disconnectors with fuse monitoring max. up to 220 V DC 50 Hz/60 Hz AC DC	V V	690 220 (3 cond paths in seri		690 440 (2 paths in	conduct series)	ing	690 440 (3 cor 220 (2 cor and for mo	nductir	ig path	is in se	ries		
Rated conditional short-circuit current with f	uses												
(when quickly closing) with fuse links, rated currents at 400 V AC (690 V) (RMS value) permissible fuse let-through current (peak value)	Size/A kA e) kA	000/100 (35) 50 (50) 11 (5)	00/160 50 15	1/250 50 25	2/400 50 35	3/630 50 55	00/160 50 15	1/250 50 25	l	2/400 50 40)	3/630 50 50	l
Short-circuit strength with fuses													
(with the disconnector closed)													
with fuse links, rated current	Size/A	000/100	000/160		2/400	3/630	00/160	1/250		2/400)	3/630	1
up to 690 V (RMS value)	kA	100	50	50	50	50	100	100		50		50	
permissible fuse let-through current (peak value		15	15	25	35	55	23	32		40		60	
Rated operating current and switching capac (feed from either the top or bottom) at 400 V AC	city												
with fuse links or isolating links rated breaking current I_c (cos $\varphi = 0.35$)	Gr.	000	00	1	2	3	00	1	0	2	1	3	2
(RMS value)	Α	800	800	2000	3200	5040	1600	2500	1600	4000	2500	5040	4000
Rated operating current le at													
AC-21B, AC-22B	Α	160	160	250	400	630	160	250	160	400	250		400
AC-23B	Α	100	100	250	400	630	100	160	125	315	200	400	315
at 690 V AC	Gr.	000	00	1	2	3	00	1	0	2	4	_	2
with fuse links or isolating links	Gr.	00	1	0	2	1	00	1	0	2	1	3	2
rated breaking current I_c (cos ϕ = 0.35) (RMS value)	Α	240	240	375	600	945	800	1280	1000	2520	1600	3200	2520
Rated operating current I _e at		2-10	240	5/5	000	743	000	1200	1000	2320	1000	3200	2320
AC-21B	Α	160	160	250	400	630	160	250	160	400	250	630	400
AC-22B	Α	50	50	_	_	_	160	250	160	400	250		400
AC-23B	Α	25	25	_	-	-	100	160	125	315	200	400	315

SENTRON fuse switch disconnectors 3NJ:Offer the maximum level of safety with minimum width.

These specialists combine the "load switching" and "isolating" functions in one device. And thanks to the integrated LV HRC fuses, they also provide full protection against overload and short-circuit. They distinguish themselves as a result of the compact design, which allows them to be mounted in the smallest space, and the versatile connection types: Whether horizontal or vertical, whether in low-voltage distribution systems, cable distribution cabinets or sub-stations and transformer stations – everything is possible using this sophisticated, well-proven system. And last but not least, also as a result of the wide range of accessories that fulfills every conceivable requirement.

Fuse switch disconnectors 3NJ4

These are the SENTRON devices that are responsible for handling occasional manual switching and disconnection of load feeders and power distribution systems.

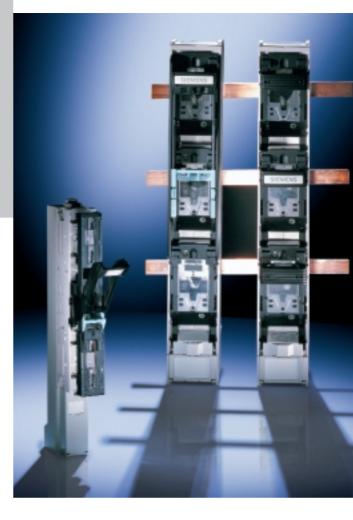
They are able to make and break the specified rated current. It goes without saying that even under overload and short-circuit conditions they completely fulfill the appropriate plant protection requirements.

Fuse switch disconnectors 3NJ4 are used in

- Power stations and industry as overload and short-circuit protection for switchboards
- Sub-stations and transformer stations as well as cable distribution cabinets
- Main distribution systems in commercial buildings
- Cable outlets and distribution panels
- Distribution panels on construction sites and to feed busbar systems

Plug-in switch disconnectors with fuses 3NJ6

These are closely related to our 3NJ4 in-line fuse switch disconnectors; the 3NJ6 series of in-line fuse disconnectors distinguishes itself as a result of the



essential difference – the integrated switching element with single or double interruption.

Mounting and installation are especially easy thanks to the straightforward plug-in system. Our 3NJ6 inline switch disconnectors are also the optimum solution when load feeders and cable distribution systems must be occasionally and manually switched or disconnected.

Plug-in switch disconnectors with fuses 3NJ6 are especially suitable...

- For cable distribution and electrical cabinets with busbar systems that are on end and vertically arranged in this case, the plug-in system really comes into its own
- For overload and short-circuit protection for downstream plant components and loads
- To safely disconnect downstream plant components and loads the switching operation itself is always inside the disconnector assembly independent of the actuation speed.

Technical data: Fuse switch disconnec	tors 3NJ4								
Standards	IEC 60947	IEC 60947-1, IEC 60947-3, DIN VDE 0660 Part 107							
Disconnector Type	3NJ41 0	3NJ41 2	3NJ41 3	3NJ41 4	3NJ41 8	3NJ41 5	3NJ56		
Conventional thermal currents									
in air I _{th} A	160	250	400	630	910	1000	1250		
in the enclosure I _{the} A	160	225	360	567	_	-	_		
Rated insulating voltage U _i V	750	1000	1000	1000	500	1000	1000		
Rated operating voltage U _e									
AC 4060 Hz V	690	690	690	690	400	690	690		
Rated conditional short-circuit current with fuses									
at 690 V AC 40 to 60 Hz	50	50	50	50	50	_	50		
Rated current In A	160	250	400	630	910	_	1250		
of the fuses	100	230	400	030	910	_	1250		
Permissible fuse let-through current kA	15	28	39	52	53	_	80		
(peak value)									
For fuse links Size/A	00/160	1/250	1 and 2/250	2 and 3/400	3/910	_	4a/1250		
Acc. to IEC 60269-2-1 and isolating links				and 400	and 630				
Rated operating current le at									
400 V AC AC-22B A	160	250	400	630	910	1000	1250		
500 V AC AC-22B A	160	250	400	630	-	1000	1250		
690 V AC AC-21B A	160	250	400	630	_	1000	1250		
690 V AC AC-22B A	100	200	315	500	_	600	_		
220 V DC DC-21B A	160	250	400	630	_	-	-		
Permissible ambient temperature °C	-25 to +55								
Mechanical endurance Operating cycles	1400	1400	800	800	800	800	800		
Electrical endurance Operating cycles	200	200	200	200	100	100	100		
Main phase connection									
Flat busbars mm	24	42	42	42	80	80	80		
Cable lug, max. conductor cross section									
(multi-conductor) mm ²	95	240	240	240	2x240	2x240	2x300		
Clamping bar mm²	1.5-70	25-300	25–300	25-300	-	-	-		
Tightening torque Nm	10–15	30-35	30–35	30-35	30–35	30-35	50-60		
(Cable lug, flat busbar)									

Technical data: Plug-in switch disconnectors with fuses 3NJ6

Standards		IEC 60947-3	}		
Disconnector	Туре	3NJ61 10	3NJ61 20	3NJ61 40	3NJ61 60
Rated continuous current I _u for fuse links according to DIN 43620	А	160	250	400	630
Rated operating voltage U _e 50 Hz/60 Hz AC	V	690/500	690	690	690
Rated operating voltage U _i	V	100 (U _{imp} = 1	8000 V)		
Rated conditional short-circuit current Short-circuit strength Short-circuit making capacity	kA (RMS value) kA (RMS value)	100 50	100 50	100 50	100 50
Rated operating current I _e for single interruption (3NJ613E) at 500 V AC AC-22B	A	160	250	400	630
at 690 V AC AC-21B for double interruption (3NJ613M) at 500 V AC AC-23B	A A	100	250 250	400	630630
at 690 V AC AC-23B	А	100	250	400	630

Fuse switch disconnectors 3NJ – the highlights:

- Standard grid dimensions for extremely straightforward engineering
- High packaging density for distribution systems with several cable outlets
- Connection either at the top or bottom
- Fast mounting and installation using the clip-on mounting elements at the rear (for sizes 1 to 3)
- Extended shock hazard protection safe from touch from the back of the hand when the upper section is removed (degree of protection: IP10)
- Can be locked and sealed against unauthorized operation
- TTA type-tested installation versions in the SIKUS in-line electrical cabinet system
- Wide conductor clamping range using V terminal with pressure contact that can be rotated

Ordering by fax +49 (911) 978-3321

SENTRON

Would you like more information? Our pleasure!

The simple way to obtain more information and data about Siemens low-voltage power distribution: Please copy this page, complete and fax to +49 (911) 978-3321.	Please send me the selected information to the following address:
\square Yes, please send me additional information.	Name
Switching and protecting with	
☐ SENTRON air circuit-breakers	First name
☐ SENTRON moulded-case circuit-breakers	
Distribution with	Function
☐ SIVACON power distribution and	
motor control centers	Company
☐ SIVACON busbar distributors	
Planning, engineering and managing with	Street, No. / Postbox
☐ SIMARIS design	
☐ SIMARIS manager	Postal code / City
☐ Totally Integrated Power	Country
For more detailed information, please contact your local Siemens salesperson.	Telephone
If you have technical questions, please contact the following:	Fax
Technical Assistance	
Tel.: +49 (911) 895-5900	E-Mail
E-Mail: technical-assistance@siemens.com	

Siemens Aktiengesellschaft

Automation and Drives Low-Voltage Controls and Distribution P.O. Box 4848, D-90327 Nuremberg

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The information in this brochure only provides a general description and performance features. For a specific application, this information will not always be applicable in the form described here. This information can also change due to ongoing product development. The required performance features are only binding if they have been expressly agreed upon in the form of a written contract.