## **SIEMENS**

Data sheet 3NP1163-1BC23

SENTRON, Fuse switch disconnector 3NP1, 3-pole, NH3, 630 A, for Busbar system 8US 60 mm, Box terminal, Fuse monitoring: electronic EFM20, Cover level 32/70 mm



Model	
Product brand name	SENTRON
Product designation	3NP1 fuse switch disconnector
Design of the product	cover level 32/70 mm
Busbar design	busbar thickness 5 or 10 mm
Design of the safety monitoring	electronic EFM 20
Design of the operating mechanism	Cover handle
Design of the load switch / Strip form	No
Type of the driving mechanism / motor drive	No

General technical data	
Number of poles	3
Type of device	For 60 mm 8US busbar system
Size of disconnecting link	3 and 2
Size of fuse link	NH2, NH3
Continuous current / at 35 °C / rated value	630 A
Let-through current / with closed switch / maximum permissible	60 kA
cut-off value I**2t,max. / 500 V	5 400 000 A <sup>2</sup> ·s
Power factor	

● at AC-22 B	0.65
• at AC-23 B	0.35
with capacitive load	-0.25
circuit-breaker / Design	3NP11
Mechanical service life (switching cycles) / typical	1 000
Fuse system	LV HRC fuse
Voltage	
Insulation voltage / rated value	690 V
Power factor / at AC-21 B	0.95
Surge voltage resistance / rated value	8 kV
Protection class	
Protection class IP	
<ul> <li>with closed switch / with cover or cable lug cover</li> </ul>	IP40
<ul> <li>with closed switch / without cover or cable lug cover</li> </ul>	IP30
• on the front	IP40
• open	IP20
Electricity	
Continuous current	
• rated value	630 A
• at 40 °C / rated value	610 A
• at 45 °C / rated value	575 A
• at 50 °C / rated value	555 A
• at 55 °C / rated value	530 A
Let-through current / with high-speed activation /	50 kA
maximum permissible	
Let-through current / Ic / maximum permissible	
• 400 V	60 000 A
• 500V	60 000 A
cut-off value I**2t,max. / 400 V	5 400 000 A²·s
Main circuit	
Operating voltage	
<ul><li>at AC / rated value / minimum</li></ul>	230 V
<ul><li>at AC / rated value / maximum</li></ul>	690 V
Operating current / with capacitive load	
• at 400 V / maximum	72 A
• at 500 V / maximum	55 A
Auxiliary circuit	
Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	0

Suitability  Suitability for use  • Main switch • switch disconnector • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • reduct details  Product details  Product orenoment • Trip indicator • Phase failure monitoring • undervoltage release • undervoltage release • undervoltage release • undervoltage release with leading contact • Product extension • Auxiliary switch • optional — locking capability — motor drive — voltage trigger  Product function • fuse monitoring • (see monitoring)	Number of NO contacts / for auxiliary contacts	0	
Suitability for use    Main switch   No     switch disconnector   Yes     EMERGENCY OFF switch   Yes     maintenance/repair switch   Yes     maintenance/repair switch   Yes     Product destails     Product teature / interlock   Yes     Product open ont     Trip indicator   Yes     Phase failure monitoring   Yes     Undervoltage release   No     undervoltage release with leading contact   No     Product extension   Yes     Product extension     Auxiliary switch   Yes     Product extension     Auxiliary switch   Yes     Optional     Locking capability   Yes     Undervoltage release   No     Product function     No     Product function     Product function     Ves     Overvoltage protection monitoring   Yes     Overvoltage protection monitoring   Yes     Overvoltage protection monitoring   Yes     Short circuit Conditional short-circuit current (Iq)     1 rated value     1 at AC / at 500 V / with high-speed activation / rated value     1 at AC / at 690 V / with high-speed activation / rated value     1 with closed switch / at AC / at 690 V / rated value     1 with closed switch / at AC / at 690 V / rated value     1 with closed switch / at AC / at 690 V / rated value     2 with closed switch / at AC / at 690 V / rated value     2 with closed switch / at AC / at 690 V / rated value     3 with closed switch / at AC / at 690 V / rated value     3 with closed switch / at AC / at 690 V / rated value     3 with closed switch / at AC / at 690 V / rated value     3 with closed switch / at AC / at 690 V / rated value     3 with closed switch / at AC / at 690 V / rated value     4 with closed switch / at AC / at 690 V / rated value     5 with closed switch / at AC / at 690 V / rated value     5 with closed switch / at AC / at 690 V / rated value     6 with closed switch / at AC / at 690 V / rated value     6 with closed switch / at AC / at 690 V / rated value     6 with closed switch / at AC / at 690 V / rated value     6 with closed switch / at AC / at 690 V / rated value     7 with closed switch / at AC / at 690 V / rated	Suitability		
Main switch  witch disconnector  witch disconnector  EMERGENCY OFF switch  and a safety safety  and a safety safe			
EMERGENCY OFF switch safety switch smaintenance/repair switch  Product details  Product teature / interlock Product component Trip indicator Phase failure monitoring sundervoltage release with leading contact Product feature / sealable Product geartelease with leading contact Soptional Sop		No	
safety switch     maintenance/repair switch     Yes  Product details  Product feature / interlock     Yes  Product component     Trip indicator     Phase failure monitoring     Yes     undervoltage release     undervoltage release with leading contact  Product feature / sealable  Product extension     Auxiliary switch     optional     locking capability     motor drive     Ves     Ves  Product function  1 (a)     Short circuit  Conditional short-circuit current (Iq)     rated value     at AC / at 590 V / with high-speed activation / rated value     at AC / at 590 V / with high-speed activation / rated value     with closed switch / at AC / at 500 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value	switch disconnector	Yes	
• maintenance/repair switch  Product details  Product feature / interlock  Product component  • Trip indicator • Phase failure monitoring • undervoltage release • undervoltage release with leading contact  Product feature / sealable  Product extension • Auxiliary switch • optional — locking capability — motor drive — Voltage trigger  Product function  Product function  Product function  Product function  • fuse monitoring • Overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq) • rated value • at AC / at 500 V / with high-speed activation / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value	EMERGENCY OFF switch	No	
Product details  Product feature / interlock  Product component  • Trip indicator  • Phase failure monitoring  • undervoltage release  • undervoltage release with leading contact  Product feature / sealable  Product extension  • Auxiliary switch  • optional  — locking capability — motor drive — Voltage trigger  No  Product function  Product function  • fuse monitoring • fuse monitoring • Tese monitoring •	safety switch	Yes	
Product feature / interlock Product component  Trip indicator Phase failure monitoring Phase failure monitoring Product feature / sealable Product feature / sealable Product extension Auxiliary switch Poptional Product function  Product function  Product function  Product function  I saw monitoring Product function  Product function  Product function  I saw monitoring Product function  I saw monitoring Product function  Product function  Product function  I saw monitoring Product function  I saw monitorin	• maintenance/repair switch	Yes	
Product component  Trip indicator Phase failure monitoring undervoltage release undervoltage release with leading contact Product feature / sealable Product extension Auxiliary switch poptional locking capability motor drive Voltage trigger No  Product function Product function Product function Product function Product function Product function Four-voltage protection monitoring Yes Overvoltage protection monitoring Yes Short circuit Conditional short-circuit current (Iq) rated value At AC / at 500 V / with high-speed activation / rated value At AC / at 690 V / with high-speed activation / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value	Product details		
Trip indicator Phase failure monitoring undervoltage release undervoltage release undervoltage release with leading contact No Product feature / sealable Product extension Auxiliary switch optional locking capability motor drive Voltage trigger No  Product function Product function Product function  Product function  Product function  Four fure function Overvoltage protection monitoring Yes  Short circuit Conditional short-circuit current (Iq) rated value at AC / at 500 V / with high-speed activation / rated value with closed switch / at AC / at 500 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value	Product feature / interlock	Yes	
Phase failure monitoring  Phase failure monitoring  undervoltage release  undervoltage release with leading contact  Product feature / sealable  Product extension  Auxiliary switch  optional  locking capability  motor drive  Voltage trigger  No  Product function  Product function  Product function  of use monitoring  Overvoltage protection monitoring  at AC / at 500 V / with high-speed activation / rated value  at AC / at 690 V / with high-speed activation / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  output  Connections  Arrangement of electrical connectors / for main other	Product component		
undervoltage release undervoltage release with leading contact No  Product feature / sealable Yes  Product extension Auxiliary switch optional Locking capability Sealable No No No No No No Product function  Product function  Product function  Product function  Product function  of use monitoring Yes  Short circuit  Conditional short-circuit current (Iq) rated value at AC / at 500 V / with high-speed activation / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value  Oconnections  Arrangement of electrical connectors / for main other	Trip indicator	Yes	
undervoltage release with leading contact  Product feature / sealable  Product extension  Auxiliary switch  optional  locking capability  motor drive  Ves  No  Product function  Product function  Product function  fuse monitoring  overvoltage protection monitoring  Short circuit  Conditional short-circuit current (Iq)  rated value  at AC / at 500 V / with high-speed activation / rated value  with closed switch / at AC / at 500 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  overvoltage release with leading contact  No  Yes  Short circuit  Conditional short-circuit current (Iq)  standard rate value  overvoltage protection monitoring  So kA  standard rate value  overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq)  overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq)  overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq)  overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq)  overvoltage protection monitoring  Yes  Short circuit  Overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq)  overvoltage protection monitoring  Yes  Short circuit  Overvoltage protection monitoring  Yes  Short circuit  Overvoltage protection monitoring  Yes  Short circuit  Overvoltage prot	<ul> <li>Phase failure monitoring</li> </ul>	Yes	
Product feature / sealable Product extension  • Auxiliary switch • optional — locking capability — motor drive — Voltage trigger No  Product function  Product function  • fuse monitoring • Overvoltage protection monitoring  Short circuit  Conditional short-circuit current (Iq) • rated value • at AC / at 500 V / with high-speed activation / rated value • with closed switch / at AC / at 500 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value	<ul> <li>undervoltage release</li> </ul>	No	
Product extension  Auxiliary switch  optional  — locking capability  — motor drive  — Voltage trigger  No  Product function  Product function  Product function  • fuse monitoring  • Overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq)  • rated value  • at AC / at 500 V / with high-speed activation / rated value  • at AC / at 690 V / with high-speed activation / rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value	<ul> <li>undervoltage release with leading contact</li> </ul>	No	
Auxiliary switch optional  locking capability motor drive No Voltage trigger No  Product function  Product function  fuse monitoring Overvoltage protection monitoring Yes  Short circuit  Conditional short-circuit current (Iq) rated value at AC / at 500 V / with high-speed activation / rated value at AC / at 690 V / with high-speed activation / rated value with closed switch / at AC / at 500 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value with closed switch / at AC / at 690 V / rated value  Output  Connections  Arrangement of electrical connectors / for main  other	Product feature / sealable	Yes	
optional         — locking capability Yes         — motor drive No         — Voltage trigger No  Product function  Product function  • fuse monitoring Yes  • Overvoltage protection monitoring Yes  Short circuit  Conditional short-circuit current (Iq)  • rated value 50 kA  • at AC / at 500 V / with high-speed activation / rated value  • at AC / at 690 V / with high-speed activation / rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value	Product extension		
locking capability	<ul> <li>Auxiliary switch</li> </ul>	Yes	
— motor drive — Voltage trigger  Product function  Product function  • fuse monitoring • fuse monitoring • Overvoltage protection monitoring  Yes  Short circuit  Conditional short-circuit current (Iq) • rated value • at AC / at 500 V / with high-speed activation / rated value • at AC / at 690 V / with high-speed activation / rated value • with closed switch / at AC / at 500 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value	<ul><li>optional</li></ul>		
Product function  Product function  • fuse monitoring Yes  • Overvoltage protection monitoring Yes  Short circuit  Conditional short-circuit current (Iq)  • rated value 50 kA  • at AC / at 500 V / with high-speed activation / rated value  • at AC / at 690 V / with high-speed activation / rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value	<ul><li>— locking capability</li></ul>	Yes	
Product function  • fuse monitoring • Overvoltage protection monitoring  Short circuit  Conditional short-circuit current (Iq) • rated value • at AC / at 500 V / with high-speed activation / rated value • at AC / at 690 V / with high-speed activation / rated value • at AC / at 690 V / with high-speed activation / rated value • with closed switch / at AC / at 500 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value • with closed switch / at AC / at 690 V / rated value	— motor drive	No	
Product function  • fuse monitoring  • Overvoltage protection monitoring  Short circuit  Conditional short-circuit current (Iq)  • rated value  • at AC / at 500 V / with high-speed activation / rated value  • at AC / at 690 V / with high-speed activation / rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other	— Voltage trigger	No	
fuse monitoring	Product function		
Overvoltage protection monitoring  Short circuit  Conditional short-circuit current (Iq)      rated value     at AC / at 500 V / with high-speed activation / rated value      at AC / at 690 V / with high-speed activation / rated value      with closed switch / at AC / at 500 V / rated value      with closed switch / at AC / at 690 V / rated value      with closed switch / at AC / at 690 V / rated value      with closed switch / at AC / at 690 V / rated value      with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other	Product function		
Short circuit  Conditional short-circuit current (Iq)  • rated value  • at AC / at 500 V / with high-speed activation / rated value  • at AC / at 690 V / with high-speed activation / rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other	<ul><li>fuse monitoring</li></ul>	Yes	
Conditional short-circuit current (Iq)  • rated value  • at AC / at 500 V / with high-speed activation / 50 kA  rated value  • at AC / at 690 V / with high-speed activation / 50 kA  rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other	<ul> <li>Overvoltage protection monitoring</li> </ul>	Yes	
<ul> <li>rated value</li> <li>at AC / at 500 V / with high-speed activation / rated value</li> <li>at AC / at 690 V / with high-speed activation / rated value</li> <li>with closed switch / at AC / at 500 V / rated value</li> <li>with closed switch / at AC / at 690 V / rated value</li> <li>with closed switch / at AC / at 690 V / rated value</li> </ul> Connections Arrangement of electrical connectors / for main other			
at AC / at 500 V / with high-speed activation / rated value  at AC / at 690 V / with high-speed activation / rated value  with closed switch / at AC / at 500 V / rated value  with closed switch / at AC / at 690 V / rated value  with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other			
rated value  • at AC / at 690 V / with high-speed activation / rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  • with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other			
rated value  • with closed switch / at AC / at 500 V / rated value  • with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other		50 kA	
value  • with closed switch / at AC / at 690 V / rated value  Connections  Arrangement of electrical connectors / for main other		50 kA	
Connections  Arrangement of electrical connectors / for main other		100 kA	
Arrangement of electrical connectors / for main other		100 kA	
Arrangement of electrical connectors / for main other	Connections		
	Arrangement of electrical connectors / for main	other	

Connectable conductor cross-section / for main contacts	
• single or multi-stranded / minimum	50 mm²
single or multi-stranded / maximum	300 mm²
	50 mm²
stranded / minimum	300 mm <sup>2</sup>
stranded / maximum  Tightenian Assura / with assuration to the stranded in the stranded i	300 111111
Tightening torque / with screw-type terminals	40 N
• minimum	10 N·m
• maximum	25 N·m
Type of connectable conductor cross-sections / of the laminated conductors / maximum	20 x 32 mm
Type of electrical connection / for main current circuit	box terminal
Mechanical Design	
Height	306 mm
Width	249.4 mm
Depth	195.7 mm
Mounting position	horizontal/vertical
Mounting type	busbar
Mounting type	
<ul> <li>floor mounting</li> </ul>	No
• front mounting	No
<ul> <li>front mounting with 4-hole attachment</li> </ul>	No
<ul> <li>front mounting with central attachment</li> </ul>	No
• rail mounting	Yes
Busbar center-to-center spacing	60 mm
Net weight	6.98 kg
Environmental conditions	
Degree of pollution	2
Ambient temperature	
during operation / minimum	-25 °C
during operation / maximum	55 °C
during storage / minimum	-50 °C
during storage / maximum	80 °C
Certificates	
Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

## **General Product Approval**

**Declaration of** Conformity

**Test Certific**ates







Miscellaneous



Type Test Certificates/Test Report

## **Shipping Approval**



Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NP1163-1BC23

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3NP1163-1BC23

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NP1163-1BC23">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NP1163-1BC23</a>

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications









