## **SIEMENS**

Product data sheet 3NP1123-1BC22

## Number of poles



3

FUSE-SWITCH-DISCONNECTOR 3-POLE, NH000, 160A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM BOX TERMINAL FUSE MONITORING ELECTRONIC, EFM 10

Similar to image

General technical details:	
product brand name	SENTRON
Product designation	Fuse switch disconnector
Fuse system	LV HRC fuse
Installation size of fuse-link	NH000
Installation size of disconnecting link	000
Type from device	Zum Aufschnappen auf Sammelschienensystem Siemens 8US 60 mm
Design of the product	3-pole
Busbar design	Sammelschienendicke 5 oder 10 mm
Design of the operating mechanism	handle unit
Type of the driving mechanism / motor drive	No
Design of the safety monitoring	elektronisch EFM10
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
Number of changeover contacts / for auxiliary contacts	0
Design of the load switch / Strip form	No
Product equipment / interlock	Yes

phase failure monitoring undervoltage release mechanism undervoltage release with leading contact trip indicator  Acceptability for application switch disconnector emergency stop switch nain switch rain in switch safety cut-out switch yes  Product function  fuse monitoring overvoltage protection monitoring  Product extension auxiliary switch optional phase failure monitoring Yes votage trigger vovervoltage protection monitoring Yes roots of trigger vovervoltage protection monitoring Yes votage trigger vovervoltage protection monitoring And in ordine Continuous current  rated value at 35 °C / rated value at 45 °C / rated value at 55 °C / rated value	Product feature / sealable		Yes
. undervoltage release mechanism . undervoltage release with leading contact . trip indicator . switch disconnector . switch disconnector . switch disconnector . main switch . saifety cut-out switch . maintenance/repair switch . was remonitoring . ves . overvoltage protection monitoring . ves . overvoltage protection monitoring . voltage trigger . overvoltage protection monitoring . voltage trigger . overvoltage protection monitoring . ves . overvoltage protection monitoring . ves . overvoltage protection monitoring . ves . voltage trigger . overvoltage protection monitoring . ves . voltage trigger . voltage trigger . voltage trigger . voltage tridger . voltage tridg	Product component		
- undervoltage release with leading contact  - trip indicator  Acceptability for application  - switch disconnector  - switch disconnector  - emergency stop switch  - main switch  - safety cut-out switch  - maintenance/repair switch  Product function  - fuse monitoring  - overvoltage protection monitoring  Product extension  - auxiliary switch  - optional  - phase failure monitoring  - voltage tripger  - volt	phase failure monitoring		No
+ trip indicator Yes  Acceptability for application  - switch disconnector  - emergency stop switch  - main switch  - maintenance/repair switch  Product function  - fuse monitoring  - overvoltage protection monitoring  Product atsension  - auxiliary switch  - voltage frigger  - overvoltage protection monitoring  - ves  - voltage frigger  - No  - versort disconnect  - ves  - voltage frigger  - No  - voltage frigger  - No  - ves	undervoltage release mechanism		No
Acceptability for application	undervoltage release with leading contact		No
• witch disconnector  • mergency stop switch  • main switch  • safety cut-out switch  • safety cut-out switch  • maintenance/repair switch  Product function  • fuse monitoring  • overvoltage protection monitoring  Product axtension  • auxiliary switch  • optional  • phase failure monitoring  • voltage trigger  • voltage trigger  • overvoltage protection monitoring  • yes  • overvoltage protection monitoring  • yes  • overvoltage protection monitoring  • yes  • outgage trigger  • No  • overvoltage protection monitoring  • yes  • locking capability  • motor drive  Continuous current  • rated value  • at 35 °C / rated value  • at 40 °C / rated value  • at 45 °C / rated value  • at 45 °C / rated value  • at 55 °C / rated value  • at 55 °C / rated value  • at 55 °C / rated value  • at 60 °C	trip indicator		Yes
• emergency stop switch • main switch • safety cut-out switch • safety cut-out switch • maintenance/repair switch  Product function • fuse monitoring • fuse monitoring • overvoltage protection monitoring  Product extension • auxiliary switch • optional • phase failure monitoring • yes • voltage trigger • voltage trigger • voltage trigger • volveroltage protection monitoring • yes • voltage trigger • No • overvoltage protection monitoring • yes • voltage trigger • No • overvoltage protection monitoring • yes • inciding capability • motor drive  Continuous current • rated value • at 35 °C / rated value • at 35 °C / rated value • at 45 °C / rated value • at 45 °C / rated value • at 45 °C / rated value • at 55 °C / rated value • at 55 °C / rated value • at 55 °C / rated value • at 60 °C / rated value • at 60 °C / rated value • at 50 °C / rated value • at 50 °C / rated value • at 60 °C /	Acceptability for application		
• main switch         No           • safety cut-out switch         Yes           • maintenance/repair switch         Yes           Product function         Yes           • overvoltage protection monitoring         No           Product extension         Yes           • auxiliary switch         Yes           • optional         Yes           • phase failure monitoring         Yes           • voltage trigger         No           • overvoltage protection monitoring         Yes           • locking capability         Yes           • motor drive         No           Cortinuous current         A 100           • rated value         A 160           • at 45 °C / rated value         A 150           • at 45 °C / rated value         A 140           • at 55 °C / rated value         A 120           Operating current         • at 400 V / rated value         A 160           • at 400 V / rated value         A 160           • at 500 V / rated value         A 160           • at 600 V / rated value         A 160           • at 600 V / rated value         A 160           • at 600 V / rated value         A 160           • at 600 V / rated value         A 160 <td>switch disconnector</td> <td></td> <td>Yes</td>	switch disconnector		Yes
* safety cut-out switch * maintenance/repair switch  Product function  • fuse monitoring • overvoltage protection monitoring  Product extension • auxiliary switch • optional • phase failure monitoring • votage trigger • overvoltage protection monitoring • yes • locking capability • motor drivle  Condituous current • rated value • at 35 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 55 °C / rated value • at 55 °C / rated value • at 60 °C / ra	emergency stop switch		No
* maintenance/repair switch         Yes           Product function         * fuse monitoring           * overvoltage protection monitoring         No           Product extension         * auxiliary switch           * optional         Yes           * phase failure monitoring         Yes           * voltage trigger         No           * overvoltage protection monitoring         Yes           * locking capability         Yes           * motor drive         No           Continuous current         A 100           * at 35 °C / rated value         A 160           * at 40 °C / rated value         A 150           * at 45 °C / rated value         A 140           * at 55 °C / rated value         A 120           * Operating current         A 160           * at AC-21 B         A 160           * at 400 V / rated value         A 160           * at 690 V / rated value         A 160           * at 400 V / rated value         A 160           * at 400 V / rated value         A 160           * at 400 V / rated value         A 160           * at 690 V / rated value         A 160           * at 690 V / rated value         A 150	main switch		No
Product function         • fuse monitoring         Yes           • overvoltage protection monitoring         No           Product extension         • auxiliary switch         Yes           • optional         • phase failure monitoring         Yes           • voltage trigger         No           • overvoltage protection monitoring         Yes           • looking capability         Yes           • motor drive         No           Confluous current         A           • rated value         A           • at 35 °C / rated value         A           • at 40 °C / rated value         A           • at 45 °C / rated value         A           • at 55 °C / rated value         A           • at 55 °C / rated value         A           • at 55 °C / rated value         A           • at 50 °C / rated value         A           • at 60 °C / rated value         A           • at 600 °C / rated value         A           • at 600 °C / rated value         A           • at 600 °C / rated	safety cut-out switch		Yes
• fuse monitoring         Yes           • overvoltage protection monitoring         No           Product extension         Yes           • auxiliary switch         Yes           • optional         Yes           • phase failure monitoring         Yes           • voltage trigger         No           • overvoltage protection monitoring         Yes           • locking capability         Yes           • motor drive         No           Continuous current         No           • rated value         A         100           • at 35 °C / rated value         A         160           • at 40 °C / rated value         A         150           • at 45 °C / rated value         A         130           • at 55 °C / rated value         A         120           Operating current         A         160           • at 400 V / rated value         A         160           • at 690 V / rated value         A         160           • at 400 V / rated value         A         160           • at 690 V / rated value         A         160           • at 690 V / rated value         A         125           • at 690 V / rated value         A         150	maintenance/repair switch		Yes
• overvoltage protection monitoring         No           Product extension         Yes           • auxiliary switch         Yes           • optional         Yes           • phase failure monitoring         Yes           • voltage trigger         No           • overvoltage protection monitoring         Yes           • locking capability         Yes           • motor drive         No           Continuous current         A           • rated value         A           • at 35 °C / rated value         A           • at 40 °C / rated value         A           • at 45 °C / rated value         A           • at 55 °C / rated value         A           • at 55 °C / rated value         A           • at 400 V / rated value         A           • at 400 V / rated value         A           • at 690 V / rated value         A           • at 4500 V / rated value         A           • at 5500 V / rated value         A           • at 690 V / rated value         A <td>Product function</td> <td></td> <td></td>	Product function		
Product extension  - auxiliary switch  - optional  - phase failure monitoring  - voltage trigger  - overvoltage protection monitoring  - locking capability  - motor drive  Continuous current  - rated value  - at 35 °C / rated value  - at 40 °C / rated value  - at 55 °C / rated value  - at 55 °C / rated value  - at 50 °C / rated value  - at 60 °C / rated value  - at 50 °C / rated value  - at 50 °C / rated value  - at 50 °C / rated value  - at 60 °C / rated value  - at 50 °C / rated value  - at 60 °C / rated value  - at 60 °C / rated value  - at 60 °C / rated value  - at 50 °C / rated value  - at 60 °C / rated value  - at 60 °C / rated value  - at 600 V / rated	fuse monitoring		Yes
- auxiliary switch - optional - phase failure monitoring - voltage trigger - voltage protection monitoring - locking capability - motor drive  Continuous current - rated value - at 35 °C / rated value - at 40 °C / rated value - at 50 °C / rated value - at 500 °C /	overvoltage protection monitoring		No
• optional  • phase failure monitoring  • voltage trigger  • overvoltage protection monitoring  • locking capability  • motor drive  Continuous current  • rated value  • at 35 °C / rated value  • at 40 °C / rated value  • at 50 °C / rated value  • at 40 °C / rated value  • at 690 ∨ / rated value  • at 400 ∨ / rated value  • at 400 ∨ / rated value  • at 500 ∨ / rated value  • at 690 ∨ / rated value	Product extension		
phase failure monitoring voltage trigger voltage protection monitoring ves locking capability motor drive  Continuous current rated value A 100 at 435 °C / rated value A 150 at 45 °C / rated value A 130 at 50 °C / rated value A 130 at 50 °C / rated value A 150 A 160  A 160  A 160 A 160  A 160  A 160  A 160  A 160  A 150  A 160  A 150  Operating current  at AC-21 B  at 400 V / rated value A 160  at 690 V / rated value A 160	auxiliary switch		Yes
• voltage trigger • overvoltage protection monitoring • overvoltage protection monitoring • locking capability • motor drive  Continuous current • rated value • rated value • at 35 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value • at 600 V / rated value	• optional		
• overvoltage protection monitoring • locking capability • motor drive  Continuous current • rated value • at 35 °C / rated value • at 40 °C / rated value • at 50 °C / rated value • at 690 V / rated value • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 500 V / rated value • at 690 V / rated value	phase failure monitoring		Yes
• locking capability • motor drive  Continuous current  • rated value • at 35 °C / rated value • at 40 °C / rated value • at 55 °C / rated value • at 55 °C / rated value • at 50 °C / rated value • at 690 V / rated value	voltage trigger		No
• motor drive  Continuous current  • rated value • at 35 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value • at 690 V / rated value	overvoltage protection monitoring		Yes
Continuous current       • rated value       A       100         • at 35 °C / rated value       A       160         • at 40 °C / rated value       A       150         • at 45 °C / rated value       A       140         • at 50 °C / rated value       A       130         • at 55 °C / rated value       A       120         Operating current         • at 400 V / rated value       A       160         • at 500 V / rated value       A       160         • at 690 V / rated value       A       160         • at 400 V / rated value       A       160         • at 400 V / rated value       A       160         • at 690 V / rated value       A       150         • at 690 V / rated value       A       150	locking capability		Yes
• rated value • at 35 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value • at 55 °C / rated value • at 50 °C / rated value • at 50 °C / rated value • at 50 °C / rated value  A 120  Operating current • at AC-21 B • at 400 V / rated value • at 690 V / rated value • at 690 V / rated value • at 400 V / rated value • at 400 V / rated value • at 690 V / rated value	motor drive		No
• at 35 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value  A 130  A 120  Operating current • at AC-21 B • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • at 400 V / rated value • at 690 V / rated value • at 500 V / rated value • at 690 V / rated value	Continuous current		
• at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value • at 55 °C / rated value • at 55 °C / rated value  • at 400 V / rated value • at 500 V / rated value • at 400 V / rated value • at 690 V / rated value	rated value	А	100
• at 45 °C / rated value • at 50 °C / rated value • at 55 °C / rated value  A 130  • at 55 °C / rated value  A 120  Operating current • at AC-21 B • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value • at 600 V / rated value	• at 35 °C / rated value	А	160
• at 50 °C / rated value  • at 55 °C / rated value  Operating current  • at AC-21 B  • at 400 V / rated value  • at 500 V / rated value  • at 690 V / rated value  • at 400 V / rated value  • at 690 V / rated value  • at 500 V / rated value  • at 500 V / rated value  • at 690 V / rated value	• at 40 °C / rated value	Α	150
• at 55 °C / rated value  Operating current  • at AC-21 B  • at 400 V / rated value  • at 500 V / rated value  • at 690 V / rated value  • at 400 V / rated value  • at 690 V / rated value  • at 400 V / rated value  • at 400 V / rated value  • at 400 V / rated value  • at 500 V / rated value  • at 500 V / rated value  • at 690 V / rated value	• at 45 °C / rated value	А	140
Operating current         • at AC-21 B         • at 400 V / rated value       A 160         • at 500 V / rated value       A 160         • at 690 V / rated value       A 160         • at 400 V / rated value       A 160         • at 500 V / rated value       A 125         • at 690 V / rated value       A 50	• at 50 °C / rated value	Α	130
<ul> <li>at AC-21 B</li> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at AC-22 B</li> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at 690 V / rated value</li> </ul>	• at 55 °C / rated value	Α	120
<ul> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at AC-22 B</li> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at 690 V / rated value</li> <li>A 50</li> </ul>	Operating current		
<ul> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at AC-22 B</li> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>at 690 V / rated value</li> </ul>	• at AC-21 B		
<ul> <li>at 690 V / rated value</li> <li>at AC-22 B</li> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>A 50</li> </ul>	• at 400 V / rated value	Α	160
<ul> <li>at AC-22 B</li> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>A 50</li> </ul>	• at 500 V / rated value	Α	160
<ul> <li>at 400 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> <li>A 50</li> </ul>	• at 690 V / rated value	Α	160
• at 500 V / rated value A 125 • at 690 V / rated value A 50	• at AC-22 B		
• at 690 V / rated value A 50	• at 400 V / rated value	Α	160
	• at 500 V / rated value	Α	125
• at AC-23 B	• at 690 V / rated value	Α	50
	• at AC-23 B		

- at 500 V / rated value         A         40           - at 690 V / rated value         A         25           - with capacitive load         A         72           - at 400 V / maximum         A         55           Let-through current         B         55           - with pacedy activation / maximum permissible         kA         10           - with closed switch / maximum permissible         kA         15           Conditional short-circuit current (tq)         -         -           - rated value         kA         80           - at 500 V / with AC / with speedy activation / rated value         kA         80           - at 690 V / with AC / with speedy activation / rated value         kA         80           - with closed switch         kA         120           - at 500 V / with AC / rated value         kA         120           - at 690 V / with AC / rated value         kA         120           - for AC / rated value         V         230 690           Power factor           - at AC-21 B         0.95         0.65           - at AC-22 B         0.65         0.65           - with capacitive load         V         690           Active power loss / maximum <th>at 400 V / rated value</th> <th>Α</th> <th>160</th>	at 400 V / rated value	Α	160
• with capacitive load         at 400 V / maximum         A         72           • at 500 V / maximum         A         55           Let-through current	at 500 V / rated value	Α	40
- at 400 V / maximum - at 500 V / maximum A 55  Let-through current - with speedy activation / maximum permissible - with closed switch / maximum permissible - with closed switch / maximum permissible - with closed switch / maximum permissible - rated value - rated value - at 500 V / with AC / with speedy activation / rated value - at 690 V / with AC / with speedy activation / rated value - with closed switch - at 500 V / with AC / rated value - with closed switch - at 500 V / with AC / rated value - with closed switch - at 690 V / with AC / rated value - at 690 V / with AC / rated value - at 690 V / with AC / rated value - at 690 V / with AC / rated value - at 690 V / with AC / rated value - at AC-21 B - at AC-21 B - at AC-22 B - at AC-23 B - with capacitive load - vith capacitive rated value - vith closed switch / maximum permissible - vith closed switch / vith closed switch / vith cl	at 690 V / rated value	Α	25
- at 500 V / maximum  Let-through current  • with speedy activation / maximum permissible • with closed switch / maximum permissible • with closed switch / maximum permissible • kA  15  Conditional short-circuit current (Iq)  • rated value • kA  80 • at 500 V / with AC / with speedy activation / rated value • kA  80 • at 690 V / with AC / with speedy activation / rated value • with closed switch • at 500 V / with AC / rated value • kA  120  Tension d'emplol • for AC / rated value  • at AC-21 B • at AC-22 B • at AC-22 B • with capacitive load  Active power loss / maximum  W  9  Insulation voltage / rated value  kA  120  690  Impulse voltage resistance / rated value  kA  24  85  66  Item designation • according to DIN EN 61346-2	with capacitive load		
Let-through current  • with speedy activation / maximum permissible • with closed switch / maximum permissible  • with closed switch / maximum permissible  • with closed switch / maximum permissible  • rated value • at 500 V / with AC / with speedy activation / rated value • at 690 V / with AC / with speedy activation / rated value • with closed switch • at 500 V / with AC / rated value • with closed switch • at 690 V / with AC / rated value • at 690 V / with AC / rated value • at 690 V / with AC / rated value  • at 690 V / with AC / rated value  • at 690 V / with AC / rated value  • at AC	• at 400 V / maximum	Α	72
with speedy activation / maximum permissible     with closed switch / maximum permissible     with closed switch / maximum permissible     rated value     rated value     **at 500 V / with AC / with speedy activation / rated value     **at 690 V / with AC / with speedy activation / rated value     **at 690 V / with AC / rated value     **at 690 V / with AC / rated value     **at 690 V / with AC / rated value     **at 690 V / with AC / rated value     **at 690 V / with AC / rated value     **at 690 V / with AC / rated value     **of AC / rated value      **Tension d'emploi     **of AC / rated value      **Op5     **at AC-21 B     **at AC-22 B     **at AC-22 B     **at AC-23 B     **with capacitive load  Active power loss / maximum      **W      **Insulation voltage / rated value      **Insulation voltage resistance / rated value      **Insulation voltage rated value      **Insulation voltage resistance / rated value      **Insulation voltage resistance / rated value      **Insulation voltage resistance / rated value      **Insulation voltage rated value      **Insulation voltage rated value      **Insulatio	• at 500 V / maximum	Α	55
with closed switch / maximum permissible  Conditional short-circuit current (Iq)      rated value     at 500 V / with AC / with speedy activation / rated value     at 690 V / with AC / with speedy activation / rated value     at 690 V / with AC / rated value     with closed switch     at 500 V / with AC / rated value     at 690 V / with AC / rated value     at 690 V / with AC / rated value     at 690 V / with AC / rated value     vat 690 V / with AC / rated value     vat 690 V / with AC / rated value     vat 690 V / with AC / rated value      vat AC -21 B     at AC -21 B     at AC -22 B     at AC -23 B     with capacitive load  Active power loss / maximum     W     9  Insulation voltage / rated value  Inpulse voltage resistance / rated value  kV     8  Item designation     according to DIN EN 61346-2  Residuals and sale and	Let-through current		
Conditional short-circuit current (Iq)  • rated value  • at 500 V / with AC / with speedy activation / rated value  • at 690 V / with AC / with speedy activation / rated value  • at 690 V / with AC / rated value  • with closed switch  • at 500 V / with AC / rated value  • at 690 V / with AC / rated value  • at 690 V / with AC / rated value  • at 690 V / with AC / rated value  • at 690 V / with AC / rated value  • value  • to AC / rated value  • valu	• with speedy activation / maximum permissible	kA	10
rated value     at 500 V / with AC / with speedy activation / rated value     at 690 V / with AC / with speedy activation / rated value     at 690 V / with AC / rated value     with closed switch     at 500 V / with AC / rated value     at 690 V / with AC / rated value     at 690 V / with AC / rated value     at 690 V / with AC / rated value     value     at 690 V / with AC / rated value      V 230 690  Power factor     at AC-21 B     at AC-22 B     at AC-23 B     at AC-23 B     with capacitive load  Active power loss / maximum      W 9  Insulation voltage / rated value      V 690  Impulse voltage resistance / rated value      kA 3.s  Item designation     according to DIN EN 61346-2      Active DIN EN 61346-2  Active power DIN EN 61346-2  Active DIN EN 61346-2	• with closed switch / maximum permissible	kA	15
at 500 V / with AC / with speedy activation / rated value at 690 V / with AC / with speedy activation / rated value with closed switch at 500 V / with AC / rated value at 690 V / with AC / rated value  tat 690 V / with AC / rated value  kA 120  Tension d'emploi for AC / rated value  V 230 690  Power factor at AC-21 B at AC-22 B at AC-22 B at AC-23 B at AC-23 B with capacitive load  Active power loss / maximum  W 9  Insulation voltage / rated value  kA 80  80  80  80  80  80  80  80  80  80	Conditional short-circuit current (Iq)		
<ul> <li>at 690 V / with AC / with speedy activation / rated value</li> <li>with closed switch</li> <li>at 500 V / with AC / rated value</li> <li>kA 120</li> <li>tat 690 V / with AC / rated value</li> <li>kA 120</li> </ul> Tension d'emploi <ul> <li>for AC / rated value</li> <li>V 230 690</li> </ul> Power factor <ul> <li>at AC-21 B</li> <li>at AC-22 B</li> <li>at AC-22 B</li> <li>with capacitive load</li> <li>Active power loss / maximum</li> <li>W 9</li> </ul> Insulation voltage / rated value <ul> <li>V 690</li> </ul> Impulse voltage resistance / rated value <ul> <li>kV 8</li> </ul> Item designation <ul> <li>according to DIN EN 61346-2</li> </ul> Q <ul> <li>Q <ul> <li>Q</li> </ul></li></ul>	rated value	kA	80
<ul> <li>with closed switch</li> <li>at 500 V / with AC / rated value</li> <li>tat 690 V / with AC / rated value</li> <li>KA 120</li> </ul> Tension d'emploi <ul> <li>for AC / rated value</li> <li>V 230 690</li> </ul> Power factor <ul> <li>at AC-21 B</li> <li>at AC-22 B</li> <li>at AC-22 B</li> <li>with capacitive load</li> <li>with capacitive load</li> <li>Active power loss / maximum</li> <li>W 9</li> </ul> Insulation voltage / rated value <ul> <li>W 8</li> </ul> Izt value / with closed switch / maximum permissible <ul> <li>kA<sup>2</sup>-s</li> <li>G</li> </ul> Item designation <ul> <li>according to DIN EN 61346-2</li> </ul> Q	• at 500 V / with AC / with speedy activation / rated value	kA	80
• at 500 V / with AC / rated value       kA       120         • at 690 V / with AC / rated value       kA       120         Tension d'emploi         • for AC / rated value       V       230 690         Power factor         • at AC-21 B       0.95         • at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         Active power loss / maximum       W       9         Insulation voltage / rated value       V       690         Impulse voltage resistance / rated value       kV       8         I2t value / with closed switch / maximum permissible       kA²-s       56         Item designation       - according to DIN EN 61346-2       Q	• at 690 V / with AC / with speedy activation / rated value	kA	80
• at 690 V / with AC / rated value  Tension d'emploi • for AC / rated value  V 230 690  Power factor • at AC-21 B • at AC-22 B • at AC-23 B • with capacitive load  Active power loss / maximum  Insulation voltage / rated value  W 9  Insulation voltage resistance / rated value  Item designation • according to DIN EN 61346-2	with closed switch		
Tension d'emploi  • for AC / rated value  V 230 690  Power factor  • at AC-21 B  • at AC-22 B  • at AC-23 B  • with capacitive load  Active power loss / maximum  Insulation voltage / rated value  W 9  Insulation voltage resistance / rated value  V 690  Item designation  • according to DIN EN 61346-2  V 230 690  V 230 690  0.95  0.65  0.45  -0.25  0.45  -0.25  690  KV 8	at 500 V / with AC / rated value	kA	120
• for AC / rated value         V         230 690           Power factor	at 690 V / with AC / rated value	kA	120
Power factor  • at AC-21 B  • at AC-22 B  • at AC-23 B  • with capacitive load  Active power loss / maximum  Insulation voltage / rated value  Wy  Impulse voltage resistance / rated value  It value / with closed switch / maximum permissible  • according to DIN EN 61346-2	Tension d'emploi		
<ul> <li>at AC-21 B</li> <li>at AC-22 B</li> <li>at AC-23 B</li> <li>with capacitive load</li> <li>-0.25</li> <li>Active power loss / maximum</li> <li>W</li> <li>Insulation voltage / rated value</li> <li>W</li> <li>Impulse voltage resistance / rated value</li> <li>kV</li> <li>8</li> <li>I2t value / with closed switch / maximum permissible</li> <li>kA<sup>2</sup>-s</li> <li>56</li> <li>Item designation</li> <li>according to DIN EN 61346-2</li> <li>Q</li> </ul>	• for AC / rated value	V	230 690
<ul> <li>at AC-22 B</li> <li>at AC-23 B</li> <li>with capacitive load</li> <li>Active power loss / maximum</li> <li>W</li> <li>Insulation voltage / rated value</li> <li>V</li> <li>690</li> <li>Impulse voltage resistance / rated value</li> <li>kV</li> <li>8</li> <li>I2t value / with closed switch / maximum permissible</li> <li>kA<sup>2</sup>·s</li> <li>56</li> <li>Item designation</li> <li>according to DIN EN 61346-2</li> <li>Q</li> </ul>	Power factor		
<ul> <li>at AC-23 B</li> <li>with capacitive load</li> <li>-0.25</li> <li>Active power loss / maximum</li> <li>W</li> <li>9</li> <li>Insulation voltage / rated value</li> <li>V</li> <li>690</li> <li>Impulse voltage resistance / rated value</li> <li>kV</li> <li>8</li> <li>I2t value / with closed switch / maximum permissible</li> <li>kA²-s</li> <li>56</li> <li>Item designation</li> <li>according to DIN EN 61346-2</li> <li>Q</li> </ul>	• at AC-21 B		0.95
<ul> <li>with capacitive load</li> <li>Active power loss / maximum</li> <li>W</li> <li>9</li> <li>Insulation voltage / rated value</li> <li>V</li> <li>690</li> <li>Impulse voltage resistance / rated value</li> <li>kV</li> <li>8</li> <li>I2t value / with closed switch / maximum permissible</li> <li>kA²-s</li> <li>56</li> <li>Item designation</li> <li>according to DIN EN 61346-2</li> <li>Q</li> </ul>	• at AC-22 B		0.65
Active power loss / maximum  W 9  Insulation voltage / rated value  V 690  Impulse voltage resistance / rated value  kV 8  I2t value / with closed switch / maximum permissible  kA²-s 56  Item designation  • according to DIN EN 61346-2  Q	• at AC-23 B		0.45
Insulation voltage / rated value  V 690  Impulse voltage resistance / rated value  kV 8  I2t value / with closed switch / maximum permissible  kA²·s 56  Item designation  • according to DIN EN 61346-2  Q	with capacitive load		-0.25
Impulse voltage resistance / rated value	Active power loss / maximum	W	9
I2t value / with closed switch / maximum permissible  kA²-s  56  Item designation  • according to DIN EN 61346-2  Q	Insulation voltage / rated value	V	690
Item designation  • according to DIN EN 61346-2  Q	Impulse voltage resistance / rated value	kV	8
• according to DIN EN 61346-2 Q	I2t value / with closed switch / maximum permissible	kA <sup>2</sup> ·s	56
	Item designation		
according to DIN EN 81346-2     Q	according to DIN EN 61346-2		Q
	according to DIN EN 81346-2		Q

Connection elements and terminals:		
Design of the electrical connection / for main current circuit		box terminals
Conductor cross section that can be connected / for main contacts		
single- or multi-stranded	mm²	1.5 50
• stranded	mm²	1.5 50
stranded wire / with conductor end processing	mm²	1.5 35
Type of connectable conductor cross-sections / of laminated conductors		
• maximum		8 x 8 mm

Tightening torque		
with screw-type terminals	N·m	10 12
Arrangement of electrical connectors / for main current circuit		sonstige
Degree of protection and safety class:		
IP degree of protection		
• open		IP20
• on the front		IP40
with closed switch		
without cover or cable lug cover		IP30
with cover or cable lug cover		IP40
Degree of pollution		3
Mechanical operating cycles as operating time / typical		2,000
Ambient conditions:		
Ambient temperature		
during operating	°C	-25 +55
during storage	°C	-50 <b>+</b> 80
Installation/mounting/dimensions:		
Mounting type		busbar mounting
rail mounting		Yes
front mounting		No
front mounting with central attachment		No
front mounting with 4-hole attachment		No
floor mounting		No
mounting position		waagerecht oder senkrecht
Width	mm	88.8
Height	mm	211.4
Depth	mm	169.2
Largeur		
• du jeu de barres	mm	12 30
Center line spacing	mm	60
Net weight	kg	0.94

## **General Product Approval**

Declaration of Conformity













**Test Certificates** 

**Shipping Approval** 

Type Test
Certificates/Test
Report







LRS

## Further information:

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

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

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1123-1BC22

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

http://support.automation.siemens.com/WW/view/en/3NP1123-1BC22/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

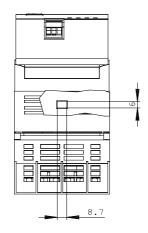
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NP1123-1BC22

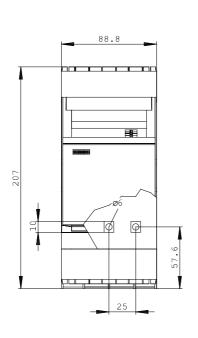
**CAx-Online-Generator** 

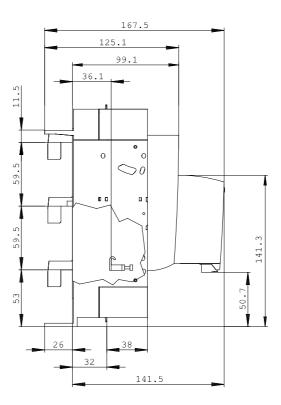
http://www.siemens.com/cax

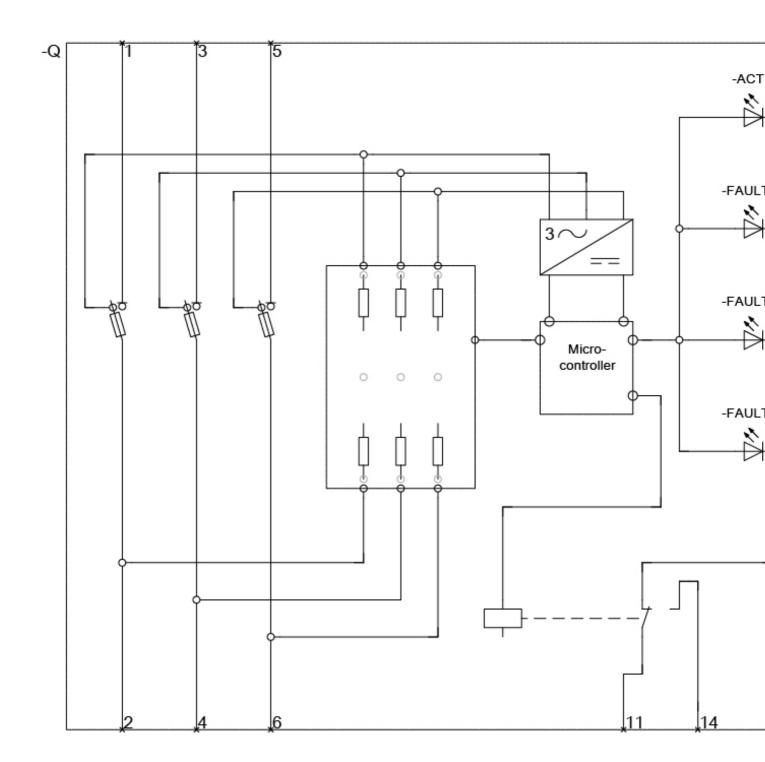
Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT









last change: Mar 31, 2014