# **SIEMENS**

Product data sheet 5SJ6132-6



CIRCUIT BREAKER 230/400V 6KA, 1-POLE, B, 32A, D=70MM

General technical data:			
type of voltage		AC/DC	
Mounting depth	mm	70	
mounting position		any	
Height	mm	90	
Width	mm	18	
Depth	mm	76	
Current / for AC / rated value	Α	32	
Tripping characteristic class		В	
Supply voltage			
• for AC / rated value	V	240	
• with single-phase operation / with AC / rated value	V	230	
with multi-phase operation / with AC / rated value	V	400	
Operating voltage			
• minimum	V	24	
• with single-phase operation / with AC / maximum	V	250	
with multi-phase operation / with AC / maximum	V	440	
for DC / rated value / maximum	V	60	
Supply voltage frequency / rated value	Hz	50	
Number of poles		1	

Product function / n-awitching  Switching capacity current  in a coordance with IEC 60947-2 / rated value  in a coordance with IEC 60947-2 / rated value  in a coordance with IEC 60947-2 / rated value  in a coordance with IEC 60947-2 / rated value  in a coordance with IEC 60947-2 / rated value  kA  6  6  6  6  6  6  6  6  6  6  6  6  6	Number of poles /note		1
In accordance with IEC 60947-2 / rated value  * acc. to EN 60898 / rated value  * Active power loss / at rated value current / with AC / in warm operating state / per pole  Number of pitch units for width  Product extension / can be installed / supplementary device  Product feature / sealable  Protection class IP  Degree of pollution  Influence of the surrounding temperature  * Periodically * 55°C, max. 95% humidity  Ambient temperature  * during storage  * C	Product function / n-switching	_	No
* acc. to EN 6098 / rated value Active power loss / at rated value current / with AC / in warm operating state / per pole Number of pitch units for width Product extension / can be installed / supplementary device Product facture / sealable Protection class IP Protection class IP Periodically **S**C, max. 95% humidity  Ambient temperature Product facture / sealable Protection class IP Periodically **S**C, max. 95% humidity  Ambient temperature Product facture / sealable  **C *20 *45  **Any **Ambient temperature **C *40 *75  Position / of power supply cord Mechanical operating cycles as operating time / typical Resistance against vibration / according to IEC 60068-2-8  Energy limiting class Overvoltage class Product equipment / touch-protection Insulation voltage / for AC / rated value Conductor cross-section that can be connected **solid **nultibrin **finely stranded **with wire end processing Product feature **[not supplied - silicon-free] **habgen-free **[not supplied - silicon-free] **[not suppli	Switching capacity current	_	
Active power loss / at rated value current / with AC / in warm operating state / per pole  Number of pitch units for width  Product extension / can be installed / supplementary device  Product feature / sealable  Protection class IP  Protection class IP  Degree of pollution  Influence of the surrounding temperature  Ambient temperature  - during storage  - during storage  - during storage  - during storage  - Position / of power supply cord  Mechanical operating cycles as operating time / typical  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  - vilin wire and processing  - with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - silicon-free]  - loot supplied - silic	• in accordance with IEC 60947-2 / rated value	kA	6
operating state / per pole         1           Number of pitch units for width         1           Product extension / can be installed / supplementary device         Yes           Product feature / sealable         Yes           Protection class IP         IP20, with connected conductors           Degree of pollution         2           Influence of the surrounding temperature         Periodically +56°C, max. 95% humidity           Ambient temperature         *C         -20 +45           Ambient temperature         *C         -40 +75           Position / of power supply cord         Any           Mechanical operating cycles as operating time / typical         20,000           Resistance against vibration / according to IEC 60068-2-6         50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz           Energy limiting class         3           Overvoltage class         3           Product equipment / touch-protection         Yes           Insulation voltage / for AC / rated value         V           Conductor cross-section that can be connected         ***           * solid         mm²         0.75 25           * multibrin         mm²         1.5 2.5           Design of the electrical connection / snap-on clamps / [not supplied - note]         Yes	• acc. to EN 60898 / rated value	kA	6
Number of pitch units for width  Product extension / can be installed / supplementary device  Product feature / sealable  Protection class IP  Degree of pollution  Influence of the surrounding temperature  Ambient temperature  - during storage  Position / of power supply cord  Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  - solid  - multibrin  - inicy standed  - with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  - long supplied - silicon-free]  - halogen-free  - long supplied - silicon-free]  - halogen-free  - according to DIN EN 61346-2  Product etau  - product teag  - according to DIN EN 61346-2  Product feature  - F	-	W	2.6
Product extension / can be installed / supplementary device Product feature / sealable Protection class IP Protection class IP Protection class IP Periodically +55°C, max. 95% humidity Product feature  - during storage - during storage - during storage - during storage Position / of power supply cord Position / of power supply cord Prosition / of power supply cord Prosition / of power supply cord Prosition / of power supply cord Product equipment / touch-protection IPC 60068-2-6 Product equipment / touch-protection Product equipment / touch-protection Product equipment / touch-protection Product equipment / touch-protection Product of standard and Protection Product for AC / rated value Product feature - finely stranded - with wire end processing Product feature - floot supplied - silicon-free] - halogen-free - secording to DIN EN 81346-2  Product feature - floot supplied - silicon-free] - halogen-free - floot supplied - silicon-free] - halogen-free - secording to DIN EN 81346-2  Product feature - floot supplied - silicon-free] - halogen-free - floot supplied - silicon-free] - halogen-free - secording to DIN EN 81346-2	· · · · · · · · · · · · · · · · · · ·		1
Product feature / sealable Protection class IP Protection class IP  Degree of pollution 2 Influence of the surrounding temperature Periodically +55°C, max. 95% humidity  Ambient temperature - during storage - during storage - during storage - during storage Position / of power supply cord Mechanical operating cycles as operating time / typical Resistance against vibration / according to IEC 60068-2-6 Energy limiting class Overvoltage class Product equipment / touch-protection Insulation voltage / for AC / rated value  Conductor cross-section that can be connected - with wire end processing Product feature - (not supplied - note) Product feature - (not supplied - silicon-free) - halogen-free  Number of test cycles / for environmental testing / in according to DIN EN 61346-2  Device tag - according to DIN EN 61346-2			
Protection class IP  Degree of pollution Influence of the surrounding temperature  Ambient temperature  - during storage  Position / of power supply cord  Mechanical operating cycles as operating time / typical Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection Insulation voltage / for AC / rated value  - with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  - (not supplied - silicon-free] - halogen-free  Number of test cycles / for environmental testing / in according to IDI EC 60068-2-30  Device tag - according to DIN EN 61346-2    Ferroultion   Power supply cord   Power supply co			
Influence of the surrounding temperature  Ambient temperature  * during storage  * "C *40 *45  Ambient temperature  * during storage  * "C *40 *45  Position / of power supply cord  Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  * solid  * multibrin  * finely stranded  * with wire end processing  Product feature  * (Inct supplied - silicon-free)  *			
Influence of the surrounding temperature  Ambient temperature  - during storage  - C -40 +75  Position / of power supply cord  Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  - solid  - multibrin  - finely stranded - with wire end processing  Product feature  - (prot supplied - note]  Product feature  - (prot supplied - silicon-free) - (prot supplied - silicon-fre			
Ambient temperature  Ambient temperature  during storage  C -40 +75  Position / of power supply cord  Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  solid  mm² 0.75 25  finely stranded  with wire end processing  mm² 1.5 2.5  Design of the electrical connection / snap-on clamps / [not supplied - note]  **Product feature  **[not supplied - silicon-free] **halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  **according to DIN EN 61346-2  **C -40 +45  Any  Any  Any  Any  Any  Any  Any  An			
Ambient temperature  • during storage  Position / of power supply cord  Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid  • multibrin  • finely stranded  • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  **Any  Any  Any  Any  40  20,000  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7es  60m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  7			
<ul> <li>during storage</li> <li>*C</li> <li>-40 +75</li> <li>Any</li> <li>Mechanical operating cycles as operating time / typical</li> <li>Resistance against vibration / according to IEC 60068-2-6</li> <li>50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz</li> <li>Energy limiting class</li> <li>3</li> <li>Overvoltage class</li> <li>3</li> <li>Product equipment / touch-protection</li> <li>Insulation voltage / for AC / rated value</li> <li>V</li> <li>440</li> <li>Conductor cross-section that can be connected <ul> <li>solid</li> <li>mm²</li> <li>0.75 25</li> </ul> </li> <li>finely stranded <ul> <li>with wire end processing</li> <li>mm²</li> <li>1.5 2.5</li> </ul> </li> <li>Design of the electrical connection / snap-on clamps / [not supplied - note]</li> <li>Product feature <ul> <li>[not supplied - silicon-free]</li> <li>halogen-free</li> </ul> </li> <li>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</li> <li>Device tag</li> <li>according to DIN EN 61346-2</li> <li>F</li> </ul> <li>F</li>	<u> </u>	°C	-20 +45
Position / of power supply cord  Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid  • multibrin  • finely stranded  • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  Any  Any  Any  Any  Any  Any  Any  An	Ambient temperature		
Mechanical operating cycles as operating time / typical  Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid  • multibrin  • finely stranded  • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2		°C	-40 +75
Resistance against vibration / according to IEC 60068-2-6  Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid  • mm²  0.75 25  • multibrin  • finely stranded  • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free] • halogen-free  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag • according to DIN EN 61346-2   50m/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  3  Som/s² at 25 to 150Hz and 60m/s² at 10 to 150 Hz  3  440  Conductor cross-section that can be connected  • yes  1.5 2.5  Screwless terminals on the outgoing side for 1.5 to 4mm²  Yes  • for environmental testing / in accordance with IEC 60068-2-30  F	Position / of power supply cord	_	Any
Energy limiting class  Overvoltage class  Product equipment / touch-protection  Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid  • multibrin  • finely stranded  • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2	Mechanical operating cycles as operating time / typical		20,000
Overvoltage class  Product equipment / touch-protection Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  * solid * multibrin * mm² 0.75 25  * multibrin * with wire end processing  mm² 0.75 25  Corewless terminals on the outgoing side for 1.5 to 4mm²  Product feature  * [not supplied - silicon-free] * halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag * according to DIN EN 61346-2  * Yes  * Test  *	Resistance against vibration / according to IEC 60068-2-6		50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 10 to 150 Hz
Product equipment / touch-protection  Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid  • multibrin  • multibrin  • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  • finet supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  Yes  Yes  Yes  F	Energy limiting class		3
Insulation voltage / for AC / rated value  Conductor cross-section that can be connected  • solid • mm² 0.75 25  • multibrin • finely stranded • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature • [not supplied - silicon-free] • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag • according to DIN EN 61346-2	Overvoltage class		3
Conductor cross-section that can be connected  • solid  • mm²  0.75 25  • multibrin  • finely stranded  • with wire end processing  mm²  1.5 2.5  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2	Product equipment / touch-protection		Yes
* solid     * multibrin     * finely stranded     * with wire end processing      Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature     * [not supplied - silicon-free]     * halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Pevice tag     * according to DIN EN 61346-2  **mm²*  0.75 25  Screwless terminals on the outgoing side for 1.5 to 4mm²  Yes  Yes  6  6  F	Insulation voltage / for AC / rated value	V	440
• multibrin     • finely stranded     • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature     • [not supplied - silicon-free]     • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag     • according to DIN EN 61346-2   mm²  1.5 2.5  Screwless terminals on the outgoing side for 1.5 to 4mm²  Yes  Yes  6  6	Conductor cross-section that can be connected		
• finely stranded     • with wire end processing  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature     • [not supplied - silicon-free]     • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag     • according to DIN EN 61346-2   **Mm²*  1.5 2.5  Screwless terminals on the outgoing side for 1.5 to 4mm²  Yes  Yes  6  6  F	• solid	mm²	0.75 25
• with wire end processing mm² 1.5 2.5  Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature • [not supplied - silicon-free] • halogen-free Yes  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag • according to DIN EN 61346-2	• multibrin	mm²	0.75 25
Design of the electrical connection / snap-on clamps / [not supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  Screwless terminals on the outgoing side for 1.5 to 4mm²  Yes  Yes  6  6	• finely stranded		
supplied - note]  Product feature  • [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  4mm²  Yes  6  6  F	with wire end processing	mm²	1.5 2.5
• [not supplied - silicon-free]  • halogen-free  Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  F	•		,
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag     according to DIN EN 61346-2  F	Product feature		
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  F	• [not supplied - silicon-free]		Yes
accordance with IEC 60068-2-30  Device tag  • according to DIN EN 61346-2  F	• halogen-free		Yes
• according to DIN EN 61346-2	•		6
	Device tag		
according to DIN EN 81346-2     F	according to DIN EN 61346-2		F
	according to DIN EN 81346-2		F

## Certificates/approvals:

#### **General Product Approval**

#### **Declaration of Conformity**









### **Further information:**

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

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

Industry Mall (Online ordering system)

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

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

http://support.automation.siemens.com/WW/view/en/5SJ6132-6/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ6132-6

**CAx-Online-Generator** 

http://www.siemens.com/cax

last change: Feb 18, 2013