## **SIEMENS**

## **Data sheet**



key-operated switch Siemens, 22 mm, round, metal, shiny, lock no. VL5, with 2 keys, 2 switch positions O<I, momentary contact type, actuating angle 45°, 10:30h/12h, key removal O, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name product designation Key-operated switches design of the product product type designation product type designation product time manufacturer's article number of included key  Actuator  Principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element material of the actuating element marking of the actuating element marking of the actuating element product extension optional plement marking of the actuating element product extension product observed the actuating element arking of the actuating element product extension product observed the actuating element product extension product observed the actuating element and the actuating element product observed the actuating element arking of the actuating element arking
design of the product product type designation product line Metal, shiny, 22 mm manufacturer's article number of included key  Actuator  Principle of operation of the actuating element product extension optional light source of the actuating element material of the actuating element material of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element actuating element marking of the actuating element and the principle of the principle of the actuating element and the principle of the principle of the actuating element and the principle of the princ
product type designation product line Metal, shiny, 22 mm manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source olor of the actuating element material of the actuating element marking of the actuating element marking of the actuating element marking of the actuating positions switch position for key distraction actuating angle clockwise clockwise flock make key number  Product component front ring ground component front ring design of the front ring material of the front ring material of the front ring material of the ring material of the material of the actuating element  Product component front ring material of the front ring ocion
product line manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source of the actuating element material of the actuating element material of the actuating element marking of the actuating element actuating positions 2 switch position for key distraction octockwise octockwise octockwise octockwise lock make key number  Front ring product component front ring design of the front ring Metal, high gloss color of the front ring silver  Profice (IPS), IPSO, IP
manufacturer's article number of included key  Actuator  principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional light source No  color  of the actuating element silver  material of the actuating element Key outer diameter of the actuating element Any inscription, text in upper/lower case, every line begins with upper case letter  number of switching positions 2 switch position for key distraction Oactuating angle clockwise 45° lock make Siemens  key number VL5  Front ring  product component front ring Standard material of the front ring Standard material of the front ring silver  General technical data  protection class IP of the terminal IP20  degree of protection NEMA rating silver  1
Actuator  principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional light source No  color  • of the actuating element silver  material of the actuating element metal  shape of the actuating element Xey outer diameter of the actuating element Any inscription, text in upper/lower case, every line begins with upper case letter  number of switching positions 2 switch position for key distraction Oactuating angle • clockwise 45° lock make Siemens  key number  product component front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver  General technical data  protection class IP • of the terminal IP20  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
principle of operation of the actuating element product extension optional light source  No  of the actuating element material of the actuating element shape of the actuating element Marking of the actuating element  Any inscription, text in upper/lower case, every line begins with upper case letter  actuating angle Clockwise  45° Siemens  Vo.5  Front ring  product component front ring Metal, high gloss  color of the terminal  protection class IP Of the terminal  IP66, IP67, IP69(IP69K)  of the terminal  IP66 protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13
product extension optional light source  color
color
• of the actuating element metal  shape of the actuating element Key  outer diameter of the actuating element 29.5 mm  marking of the actuating element Any inscription, text in upper/lower case, every line begins with upper case letter  number of switching positions 2  switch position for key distraction O  actuating angle • clockwise 45° lock make Siemens  key number VL5  Front ring  product component front ring Yes  design of the front ring Metal, high gloss  color of the front ring silver  General technical data  protection class IP • of the terminal IP20  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
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shape of the actuating element  outer diameter of the actuating element  marking of the actuating element  Any inscription, text in upper/lower case, every line begins with upper case letter  number of switching positions  2 switch position for key distraction  O actuating angle  • clockwise  fock make    Siemens   VL5   Siemens   VL5   Front ring   Yes   design of the front ring   Metal, high gloss   color of the front ring   Silver    General technical data    protection class IP  • of the terminal   of the t
outer diameter of the actuating element  marking of the actuating element  Any inscription, text in upper/lower case, every line begins with upper case letter  number of switching positions  switch position for key distraction  o cactuating angle  o clockwise  fock make  siemens  key number  product component front ring  design of the front ring  material of the front ring  color of the front ring  general technical data  protection class IP  of the terminal  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
marking of the actuating element  Any inscription, text in upper/lower case, every line begins with upper case letter  number of switching positions  2 switch position for key distraction  O actuating angle  • clockwise  45°  lock make  Siemens  key number  VL5  Front ring  product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  glover  General technical data  protection class IP  • of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
switch position for key distraction  actuating angle  • clockwise  45°  lock make  Siemens  key number  VL5  Front ring  product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  general technical data  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance
actuating angle
lock make key number  VL5  Front ring  product component front ring  Yes  design of the front ring  Standard  material of the front ring  Metal, high gloss  color of the front ring  silver  General technical data  protection class IP  of the terminal  lP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13
key number  Front ring  product component front ring  product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  silver  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance
product component front ring  design of the front ring  material of the front ring  Color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  Yes  Metal, high gloss  silver  Metal, high gloss  silver  IP66, IP67, IP69(IP69K)  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13
product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  silver  General technical data  protection class IP  of the terminal  lP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  Silver  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  Standard  Metal, high gloss  Silver  IP66, IP67, IP69(IP69K)  IP20  IP20
material of the front ring  color of the front ring  silver  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  silver  IP66, IP67, IP69(IP69K)  IP20
Protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13
protection class IP  of the terminal  IP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
of the terminal IP20  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance
shock resistance
U 4 100 0000 0 00
• according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms
vibration resistance
• according to IEC 60068-2-6 10 500 Hz: 5g
operating frequency maximum 1 800 1/h
mechanical service life (operating cycles) typical 300 000
reference code according to IEC 81346-2 S
Substance Prohibitance (Date) 10/01/2014

B10 value with high demand rate according to SN 31920	500 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%)
Installation/ mounting/ dimensions	
height	29.5 mm
height width	29.5 mm 29.5 mm
width	29.5 mm
width shape of the installation opening	29.5 mm round
width shape of the installation opening mounting diameter	29.5 mm round 22.3 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter	29.5 mm round 22.3 mm 0.4 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height	29.5 mm round 22.3 mm 0.4 mm 61 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width	29.5 mm round 22.3 mm 0.4 mm 61 mm 29.5 mm

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-5KC01-0AA0-Z Y10

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5KC01-0AA0-Z Y10

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-5KC01-0AA0-Z Y10&lang=en

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