## **SIEMENS**

## **Data sheet**



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, lock number S1, with 2 keys, 2 switch positions O-I, latching, actuating angle  $90^{\circ}$ , 10:30h/13:30h, key removal O+I, with laser labeling, upper case

design of the product design of the product product type designation product line manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source ocolor  other actuating element silver material of the actuating element shape of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle oclockwise lock make key number  Standard material of the front ring product extension optional ring the source  Silver material of the actuating element Any inscription, text in upper case  OHI actuating angle oclockwise Standard material of the front ring Metal, matt color of the front ring Standard material of the front ring General technical data protection class IP  I P66, IP67, IP69(IP69K)
product type designation product line Plastic with metal front ring, matt, 22 mm 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 shape of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case number of switching positions  switch position for key distraction actuating angle clockwise lock make key number  S1  Front ring product component front ring design of the front ring material of the front ring material of the front ring sand gray  General technical data protection class IP  Identity in the metal front ring assurable of 10:30 h/13:30 h) Plastic with metal front ring, matt, 22 mm material, 22 mm material, 22 mm material, 22 mm material, 22 mm metal subjector, 33 h/13:30 h) Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h)  Plastic with metal front ring, matt, 22 mm metal subjector, 34 h/13:30 h/
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of included key 3SU1950-0FD80-0AA0  Actuator  principle of operation of the actuating element product extension optional light source No color  • of the actuating element metal shape of the actuating element Key outer diameter of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction O+I actuating angle • clockwise 90° lock make key number S1  Front ring product component front ring Standard material of the front ring Sand gray  General technical data  protection class IP IP66, IP67, IP69(IP69K)
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 shape of the actuating element marking of the actuating element mumber of switching positions switch position for key distraction actuating angle clockwise lock make key number  Front ring 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  Islandand Iatching, 90° (10:30 h/13:30 h) No (10:30 h/13:30 h/13:3
Principle of operation of the actuating element product extension optional light source  No  color  of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle clockwise  lock make BCS key number  Front ring product component front ring design of the front ring material of the front ring material of the front ring General technical data protection class IP  I design of the front, IP69 (IP69K)
principle of operation of the actuating element product extension optional light source  No  color  of the actuating element silver material of the actuating element shape of the actuating element Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle clockwise solockwise solock make skey number Front ring product component front ring design of the front ring material of the front ring sand gray  General technical data protection class IP  Islanting, 90° (10:30 h/13:30 h) No
product extension optional light source  color  of the actuating element  material of the actuating element  shape of the actuating element  outer diameter of the actuating element  marking of the actuating element  number of switching positions  switch position for key distraction  actuating angle  clockwise  lock make  key number  Front ring  product component front ring  design of the front ring  material of the front ring  General technical data  protection class IP  Metal, matt  silver  metal  silver  metal  selver  sel
color  • of the actuating element material of the actuating element shape of the actuating element shape of the actuating element warking of the actuating element marking of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction actuating angle clockwise 90° lock make BCS key number S1  Front ring product component front ring design of the front ring material of the front ring Standard material of the front ring General technical data protection class IP  IKE  Silver  Metal, matt silver metal selves support case silver metal selves support case silver metal silver metal silver support selves support case silves silver metal silver support support case su
of the actuating element     material of the actuating element     shape of the actuating element     shape of the actuating element     shape of the actuating element     outer diameter of the actuating element     marking of the actuating element     Any inscription, text in upper case     number of switching positions     2     switch position for key distraction     actuating angle
material of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element and the actuating element Any inscription, text in upper case  number of switching positions 2 switch position for key distraction actuating angle elockwise 90° lock make BCS key number S1  Front ring product component front ring design of the front ring material of the front ring material of the front ring color of the front ring  General technical data protection class IP  Metal, IP66, IP67, IP69(IP69K)
shape of the actuating element  outer diameter of the actuating element  marking of the actuating element  number of switching positions  switch position for key distraction  actuating angle  • clockwise  lock make  key number  Front ring  product component front ring  design of the front ring  material of the front ring  General technical data  protection class IP  Key  29.5 mm  Any inscription, text in upper case  0+1  Any inscription, text in upper case  29.5 mm  Any inscription, text in upper case  29.5 mm  Any inscription, text in upper case  29.5 mm  Any inscription, text in upper case  2 switch position text in upper case  2 switch position, text in upper case  3 switch position text in upper case  4 switch position text in upper case  4 switch position text in upper case  5 switch position text in upper case  4 switch position text in upper case  5 switch position text in upper case  6 switch position text in upper case  7 switch position text in upper case  8 switch position text in upper case  90°  Standard  Metal, matt  Color of the front ring  Standard  Bell position text in upper case
outer diameter of the actuating element marking of the actuating element number of switching positions  switch position for key distraction actuating angle
marking of the actuating element number of switching positions  switch position for key distraction  actuating angle  • clockwise  lock make  key number  Front ring  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  Any inscription, text in upper case  2  Any inscription, text in upper case  2  Standard  90°  80°  80°  80°  81  FYes  Standard  Metal, matt  sand gray  IP66, IP67, IP69(IP69K)
number of switching positions  switch position for key distraction  actuating angle  • clockwise  90°  lock make  BCS  key number  Front ring  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  N+l  90°  90°  90°  90°  90°  90°  90°  90
switch position for key distraction  actuating angle  ● clockwise  90°  lock make  BCS  key number  S1  Front ring  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  O+I  90°  90°  Standard  Yes  Standard  Metal, matt  sand gray  IP66, IP67, IP69(IP69K)
actuating angle
● clockwise 90°  lock make BCS  key number S1  Front ring  product component front ring Yes  design of the front ring Standard  material of the front ring Metal, matt  color of the front ring sand gray  General technical data  protection class IP IP66, IP67, IP69(IP69K)
lock make key number S1  Front ring 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  BCS Standard Yes Standard Metal, matt sand gray IP66, IP67, IP69(IP69K)
key number  Front ring  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  Standard  Metal, matt  sand gray  IP66, IP67, IP69(IP69K)
Front ring  product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  Sand gray  General technical data  protection class IP  IP66, IP67, IP69(IP69K)
product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  sand gray  General technical data  protection class IP  IP66, IP67, IP69(IP69K)
design of the front ring  material of the front ring  Metal, matt  color of the front ring  Sand gray  General technical data  protection class IP  IP66, IP67, IP69(IP69K)
material of the front ring  Metal, matt  color of the front ring  Sand gray  General technical data  protection class IP  IP66, IP67, IP69(IP69K)
color of the front ring sand gray  General technical data  protection class IP IP66, IP67, IP69(IP69K)
General technical data  protection class IP IP66, IP67, IP69(IP69K)
protection class IP IP66, IP67, IP69(IP69K)
• of the terminal IP20
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance
• according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373 Category 1, Class B
vibration resistance
• according to IEC 60068-2-6 10 500 Hz: 5g
• for railway applications according to EN 61373 Category 1, Class B
operating frequency maximum 1 800 1/h
mechanical service life (switching cycles) typical 1 000 000
reference code according to IEC 81346-2

Substance Prohibitance (Date)	10/01/2014
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
width	29.5 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	56.3 mm
installation width	29.5 mm
installation depth	25.4 mm
Certificates/ approvals	
Further information	

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5PF11-0AA0-Z Y11">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5PF11-0AA0-Z Y11</a>

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5PF11-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PF11-0AA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5PF11-0AA0-Z Y11&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5PF11-0AA0-Z Y11&lang=en</a>

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