## **SIEMENS**

## **Data sheet**



Key-operated switch IKON, 22 mm, round, plastic with metal front ring, lock number 360012K1, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O+I, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product type designation design of the product product type designation product type designation product type designation product type designation product tine 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  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions 2 switch position for key distraction actuating angle clockwise  90°  10ck make 10cON  8equipment 90°  10ck make 10coN  8equipment 10coN  8equipment 10coN  8equipment 10coN  10ch make 10coN  1	product brand name	SIRIUS ACT
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 sliver material of the actuating element Marking of the actuating positions 2  switch position for key distraction O-H actuating angle  • clockwise O0°  lock make ICON  key number 360012K1  Front ring  product component front ring Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Marking Metal, matt color of the front ring Marking Metal, matt color of the front ring Slandard  sand gray  Ceneral technical data  protection class IP  • of the terminal P20  • of the terminal P20  sinusoidal half-wave 15g / 11 ms Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  3SU1950-0FR80-0AA0  No  No  1studing 90° (10:30 h/13:30 h/13:30 h/13:30 h/10:30 h/13:30	product designation	Key-operated switches
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 silver material of the actuating element shape 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  number of switching positions 2 switch position for key distraction actuating angle olock make lock number  lock make lock number  product component front ring design of the front ring material of the front ring material of the front ring degree of protection NEMA rating shock resistance according to IEC 60068-2-7 of railway applications according to EN 61373 operating frequency maximum  latching, 90° (10:30 h/13:30 h) sulfaching, 90° (10:30 h/1	design of the product	Actuating/signaling element
manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source color	product type designation	3SU1
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 shape of the actuating element warking of the actuating element marking of the actuating element marking of the actuating element actuating element  marking of the actuating element  marking of the actuating element  actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  pumber of switching positions  2 switch position for key distraction actuating angle olockwise lock make locon key number  front ring  product component front ring design of the front ring material of the front ring standard material of the front ring sand gray  General technical data  protection class IP of the terminal lip20 degree of protection NEMA rating shock resistance eaccording to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance  • according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B  operating frequency maximum  latching, 90° (10:30 h/13:30 h) No	product line	Plastic with metal front ring, matt, 22 mm
principle of operation of the actuating element product extension optional light source  color  of the actuating element silver material of the actuating element shape of the actuating element worth and color and in the actuating element shape of the actuating element worth and color and in the actuating element worth and in the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions  switch position for key distraction actuating angle olockwise Orthory octobrows Icon design of the front ring design of the front ring material of the front ring sand gray  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-7 of railway applications according to EN 61373 operating frequency maximum  Islathing, 90° (10:30 h/13:30 h) No	manufacturer's article number of included key	3SU1950-0FR80-0AA0
product extension optional light source color	Actuator	
color  • of the actuating element material of the actuating element shape of the actuating element warking of the actuating element marking of the actuating element  marking of the actuating element  marking of the actuating element  number of switching positions  2 switch position for key distraction actuating angle • clockwise  lock make   ICON   key number   Georgia of the front ring   Metal, matt   color of the front ring   Metal, matt   color of the front ring   of the terminal   degree of protection NEMA rating   shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373   operating frequency maximum  sand silver  metal   silver   metal   skey   metal   skey   metal   stey or or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration Number (CIN)   Policy Intervel of symbol, can only be ordered via SIRIUS ACT   configurator/Configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configurator/Configuration, text or symbol, can only be ordered via SIRIUS ACT   configurator/Configuration lethication Number (CIN)   configurator/Configuration lethication Number (CIN)   configurator/Configuration lethication Number (CIN)   configurator/Configuration lethication Number (CIN)   configurator/Configuration lethi	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
of the actuating element material of the actuating element shape of the actuating element youter diameter of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element  marking of the actuating element  marking of the actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  public position for key distraction actuating angle	product extension optional light source	No
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions 2 switch position for key distraction actuating angle clockwise lock make ICON key 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 of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 operating frequency maximum  metal  Key 29.5 mm Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS Approach or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol.  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext or symbol.  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration lext.  Any inscription, text or symbol.  Any inscription, text or symbol.  Any inscription lext or symbol.  Any inscriptio	color	
shape of the actuating element outer diameter of the actuating element marking of the actuating element  marking of the actuating element  any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions  2 switch position for key distraction actuating angle e clockwise  90° lock make ICON key number 360012K1  Front ring product component front ring design of the front ring Metal, matt color of the front ring sand gray  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-7 for railway applications according to EN 61373  vibration resistance e according to IEC 60068-2-6 of ror railway applications according to EN 61373 Category 1, Class B  vibration resistance e for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum  viscondal half-wave 15g / 11 ms Category 1, Class B  Category 1, Class B	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element     29.5 mm       marking of the actuating element     Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN)       number of switching positions     2       switch position for key distraction     O+I       actuating angle <ul> <li>clockwise</li> <li>ICON</li> <li>key number</li> <li>Front ring</li> </ul> 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)               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               of or railway applications according to EN 61373             Category 1, Class B               operating frequency maximum             1 800 1/h	material of the actuating element	metal
marking of the actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  2 switch position for key distraction  actuating angle  • clockwise  lock make  key number  Front ring  product component front ring  design of the front ring  color of the front ring  sand gray  General technical data  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  1	shape of the actuating element	Key
configuration Identification Number (CIN)  number of switching positions  switch position for key distraction  actuating angle  clockwise  lock make  ICON  key number  solution front ring  product component front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  of or railway applications according to EN 61373  operating frequency maximum  colar of IRON  configuration Identification Number (CIN)  2  0+1  2  0+1  1CON  Net A standard  Prose Standard  Metal, matt  color of the front ring  sand gray  Seneral technical data  protection class IP  of the terminal  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  according to IEC 60068-2-27  of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h	outer diameter of the actuating element	29.5 mm
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  • of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-7  • for railway applications according to EN 61373  operating frequency maximum  O+I  actuating angle  90°  Standard  Wetal, matt  Standard  Metal, matt  sand gray  General technical data  PP66, IP67, IP69(IP69K)  IP20  IP20  Sinusoidal half-wave 15g / 11 ms  Category 1, Class B  Other to in the component front ring  Category 1, Class B  Operating frequency maximum  1 800 1/h	marking of the actuating element	
actuating angle	number of switching positions	2
Octor   Octor	switch position for key distraction	O+I
lock make key number 360012K1  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 of the terminal lP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 operating frequency maximum  ICON 360012K1  Front ring Yes Wetal, matt sand gray  IP66, IP67, IP69(IP69K) IP20 IP66, IP67, IP69(IP69K) IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20	actuating angle	
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  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  operating frequency maximum  yes  Yes  Metal, matt  Standard  Meta	• clockwise	90°
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  according to IEC 60068-2-27  of to railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  yes  Yes  Metal, matt  Standard  Metal, matt  Metal, matt  Standard  Metal, matt	lock make	ICON
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  of the terminal  lP20  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  of railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h	key number	360012K1
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 of according to IEC 60068-2-27 of or railway applications according to EN 61373  vibration resistance of according to IEC 60068-2-6 of railway applications according to EN 61373  category 1, Class B  vibration resistance of railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h	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  according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h	product component front ring	Yes
color of the front ring  General technical data  protection class IP	design of the front ring	Standard
protection class IP	material of the front ring	Metal, matt
protection class IP	color of the front ring	sand gray
● of the terminal  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	General technical data	
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	protection class IP	IP66, IP67, IP69(IP69K)
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	of the terminal	IP20
<ul> <li>according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6 10 500 Hz: 5g</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>operating frequency maximum 1 800 1/h</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
<ul> <li>for railway applications according to EN 61373</li> <li>Vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Category 1, Class B</li> <li>Operating frequency maximum</li> <li>1 800 1/h</li> </ul>	shock resistance	
vibration resistance	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>◆ according to IEC 60068-2-6</li> <li>★ for railway applications according to EN 61373</li> <li>★ operating frequency maximum</li> <li>10 500 Hz: 5g</li> <li>★ Category 1, Class B</li> <li>★ 1 800 1/h</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
<ul> <li>◆ for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Operating frequency maximum</li> <li>1 800 1/h</li> </ul>	vibration resistance	
operating frequency maximum 1 800 1/h	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
the end of the state of the sta	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
mechanical service life (switching cycles) typical 1,000,000	operating frequency maximum	1 800 1/h
modification of the life (ownering cycles) typical	mechanical service life (switching cycles) typical	1 000 000

reference code according to IEC 81346-2	S
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	56.2 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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5XF11-0AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5XF11-0AA0-Z Y19

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5XF11-0AA0-Z Y19

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=3SU1030-5XF11-0AA0-Z Y19&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5XF11-0AA0-Z Y19&lang=en</a>

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