## **SIEMENS**

## **Data sheet**



Illuminated mushroom pushbutton, 22 mm, round, plastic, yellow, 40 mm, momentary contact type, Z=50-unit packaging

product designation design of the product product type designation product tipe designation product line  Enclosure number of command points  Actuator  design of the actuating element principle of operation of the actuating element product type product extension optional light source color of the actuating element product extension optional light source yes color of the actuating element product extension optional light source yes color of the actuating element plastic shape of the actuating element shape of the actuating element voutor diameter of the actuating element outer diameter of the rot ring ground element outer diameter of the actuating element outer diameter of the a	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm  Enclosure number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element yellow material of the actuating element shape of the actuating element number of switching positions  Pront ring product component front ring design of the front ring glastic color of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring standard material of the front ring black  General technical data product function  EMERGENCY OFF function EMERGENCY STOP function  Protection class IP of protection New Arating 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 railway applications according to EN 61373  operating frequency maximum  according to IEC 60068-2-6 of railway applications according to EN 61373 operating frequency maximum  according to IEC 60068-2-8  To category 1, Class B  Substance Prohibitance (Date)  Ambient conditions	product designation	Mushroom pushbuttons
product line Plastic, black, 22 mm  Enclosure  number of command points 1  Actuator  design of the actuating element   illuminated   principle of operation of the actuating element   momentary contact type   yes   color of the actuating element   yellow   plastic   shape of the actuating element   plastic   shape of the actuating element   outer diameter of the actuating element   40 mm   number of switching positions   2  Front ring   Yes   design of the front ring   Standard   material of the front ring   plastic   plastic   plastic   plastic   plastic   plastic   product component front ring   plastic   plastic   plastic   plastic   product function   protection class IP   ple6, IP67, IP69(IP69K)   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   Category 1, Class B   poerating frequency maximum   3 600 1/h   mechanical service Iffe (switching cycles) typical   reference code according to IEC 81346-2   S   Substance Prohibitance (Date)   10/01/2014   Ambient conditions	design of the product	Actuating/signaling element
Inumber of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element yellow material of the actuating element outer diameter of the actuating element outer diameter of the actuating of the actu	product type designation	3SU1
number of command points  Actuator  design of the actuating element   illuminated   principle of operation of the actuating element   momentary contact type   product extension optional light source   Yes   color of the actuating element   yellow   material of the actuating element   plastic   shape of the actuating element   round   outer diameter of the actuating element   40 mm   number of switching positions   2   Front ring   Yes   design of the front ring   Standard   material of the front ring   plastic   color of the front ring   plastic   color of the front ring   plastic   color of the front ring   plastic   product component front ing   plastic   color of the front ring   plastic   color of the front ring   plastic   product function   No	product line	Plastic, black, 22 mm
Actuator   design of the actuating element   momentary contact type   product extension optional light source   Yes   color of the actuating element   yellow   material of the actuating element   yellow   plastic   shape of the actuating element   outer diameter of the actuating element   40 mm   number of switching positions   2	Enclosure	
design of the actuating element 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 outer diameter of the actuating element number of switching positions  Pront ring product component front ring design of the front ring standard material of the front ring color of the front ring element outer diameter of the actuating element number of switching positions  Pres  Front ring product component front ring glastic color of the front ring black  General technical data product function  EMERGENCY OFF function EMERGENCY STOP function No protection class IP 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 railway applications according to EN 61373  operating frequency maximum according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	number of command points	1
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 outer diameter of the actuating element number of switching positions  Pront ring  product component front ring design of the front ring color of the front ring element outer liameter of the ring plastic color of the front ring element outer liameter of the actuating element outer diameter o	Actuator	
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 number of switching positions 2  Front ring product component front ring design of the front ring material of the front ring standard material of the front ring color of the front ring black  General technical data product function  EMERGENCY OFF function EMERGENCY STOP function Oprotection class IP degree of protection NEMA rating shock resistance  according to IEC 60068-2-27 of or railway applications according to EN 61373 Operating frequency maximum  according to IEC 60068-2-6 of or railway applications according to EN 61373 Operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	design of the actuating element	illuminated
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions  2  Front ring product component front ring design of the front ring color of the front ring black  General technical data product function  EMERGENCY OFF function EMERGENCY OFF function Order 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  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Pohibitance (Date)  Substance Pohibitance (Date)	principle of operation of the actuating element	momentary contact type
material of the actuating element shape of the actuating element outer diameter outer	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element number of switching positions  2  Front ring product component front ring design of the front ring material of the front ring color of the front ring black  General technical data product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • 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 mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	color of the actuating element	yellow
outer diameter of the actuating element number of switching positions  2  Front ring product component front ring design of the front ring color of the front ring color of the front ring black  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function No • EMERGENCY STOP function protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • 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 mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	material of the actuating element	plastic
number of switching positions 2  Front ring  product component front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black  General technical data  product function  • EMERGENCY OFF function No • EMERGENCY STOP function No protection class IP IP66, IP67, IP69(IP69K) 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 • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	shape of the actuating element	round
product component front ring  product component front ring  design of the front ring  material of the front ring  plastic  color of the front ring  black  General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  No  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  should half-wave 15g / 11 ms  Category 1, Class B  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	outer diameter of the actuating element	40 mm
product component front ring design of the front ring material of the front ring plastic color of the front ring black  General technical data product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B  operating frequency maximum a 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	number of switching positions	2
design of the front ring material of the front ring color of the front ring black  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	Front ring	
material of the front ring plastic color of the front ring black  General technical data  product function  • EMERGENCY OFF function No • EMERGENCY STOP function No protection class IP IP66, IP67, IP69(IP69K)  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 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 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date)  Ambient conditions	product component front ring	Yes
color of the front ring  General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  a 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	design of the front ring	Standard
product function  EMERGENCY OFF function  EMERGENCY STOP function  EMERGENCY STOP function  Protection class IP  IP66, IP67, IP69(IP69K)  Regree of protection NEMA rating  Shock resistance  Eaccording to IEC 60068-2-27  For railway applications according to EN 61373  Sibration resistance  Eaccording to IEC 60068-2-6  For railway applications according to EN 61373  Category 1, Class B  Actegory 1, Class B  Eactording to IEC 60068-2-6  For railway applications according to EN 61373  Category 1, Class B  Eactording to IEC 60068-2-6  For railway applications according to EN 61373  Eactording to IEC 60068-2-6  For railway applications according to EN 61373  Eactording to IEC 80068-2-6  Eactording to IEC 80068-2-6  Eactording to IEC 80068-2-6  Eactording to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	material of the front ring	plastic
product function  • EMERGENCY OFF function  • EMERGENCY STOP function  • EMERGENCY STOP function  protection class IP  lP66, IP67, IP69(IP69K)  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  vibration frequency maximum  • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	color of the front ring	black
EMERGENCY OFF function     EMERGENCY STOP function     No  protection class IP  degree of protection NEMA rating  shock resistance     according to IEC 60068-2-27     for railway applications according to EN 61373  vibration resistance     according to IEC 60068-2-6     for railway applications according to EN 61373  category 1, Class B  vibration resistance     according to IEC 60068-2-6     for railway applications according to EN 61373  category 1, Class B  operating frequency maximum     3 600 1/h  mechanical service life (switching cycles) typical     reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	General technical data	
EMERGENCY STOP function     protection class IP	product function	
protection class IP  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  vibration resistance  • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	<ul> <li>EMERGENCY OFF function</li> </ul>	No
degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  vibration resistance  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	<ul> <li>EMERGENCY STOP function</li> </ul>	No
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 3 600 1/h  mechanical service life (switching cycles) typical 3 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014	protection class IP	IP66, IP67, IP69(IP69K)
<ul> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> <li>category 1, Class B</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>operating frequency maximum</li> <li>3 600 1/h</li> <li>mechanical service life (switching cycles) typical</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
for railway applications according to EN 61373      vibration resistance	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>Category 1, Class B</li> <li>operating frequency maximum</li> <li>3 600 1/h</li> <li>mechanical service life (switching cycles) typical</li> <li>3 000 000</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
● for railway applications according to EN 61373  Operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  Category 1, Class B  3 600 1/h  3 000 000  reference code according to IEC 81346-2  S  10/01/2014	vibration resistance	
operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
mechanical service life (switching cycles) typical 3 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	operating frequency maximum	3 600 1/h
Substance Prohibitance (Date)  Ambient conditions	mechanical service life (switching cycles) typical	3 000 000
Ambient conditions	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	10/01/2014
ambient temperature	Ambient conditions	
amaioni tomporataro	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	40 mm	
width	40 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	27.5 mm	
installation width	40 mm	
installation depth	24.4 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=3SU1001-1BD30-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1BD30-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1BD30-0AA0-Z X90

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=3SU1001-1BD30-0AA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1001-1BD30-0AA0-Z X90&lang=en</a>

1/27/2022 last modified: