## SIEMENS

## Data sheet

## 3SU1052-2CM20-0AA0-Z X90



Selector switch, illuminable, 22 mm, round, metal, shiny, red, selector switch, long, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, Z=50-unit packaging

product brand name         SIRUS ACT           product dissignation         Selector switches           design of the product         Actuating/signaling element           product type designation         3SU1           product line         Metal, shiny, 22 mm           Enclosure         mumber of command points           Actuator         feeding of the actuating element           design of the actuating element         selector, long           principle of operation of the actuating element         momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides           product stratension optional         -           • light source         Yes           • contact module         Yes           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         Handle           outer diameter of the actuating element         44.8 mm           number of switching positions         3           actuating angle         -           • clockwise         45°           * anticlockwise         45°           Front ing         slandard           material of the front ring         slandard           material of the front ring         sliver			
design of the product       Actuating/signaling element         product type designation       3SU1         product line       Metal, shiny, 22 mm         Enclosure       I         Actuator       selector, long         principle of operation of the actuating element       selector, long         principle of operation of the actuating element       momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides         product extension optional       -         • light source       Yes         • color of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       44.8 mm         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         • anticlockwise       45°         design of the front ring       Yes         design of the front ring       slandard         material of the front ring       slandard         material of the front ring       slandard         e actockwise       45°         e front ring       slandard         material of the front r	product brand name	SIRIUS ACT	
product type designation         3SU1           product line         Metal, shiny, 22 mm           Enclosure         number of command points           Actuator         1           Actuator         selector, long           principle of operation of the actuating element         momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides           product extension optional         •           • light source         Yes           • contact module         Yes           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         plastic           shape of the actuating element         44.8 mm           number of switching positions         3           actuating angle         •           • clockwise         45°           • anticlockwise         45°           • anticlockwise         45°           • anticlockwise         45°           color of the front ring         Yes           design of the front ring         Metal, high gloss           color of the front ring         sliver           Color of the front ring         sliver           Color of the front ring         sliver <tr< th=""><th>product designation</th><th>Selector switches</th></tr<>	product designation	Selector switches	
product line         Metal, shiny, 22 mm           Enclosure         Image: Comparison of	design of the product	Actuating/signaling element	
Enclosure       1         Actuator       design of the actuating element       selector, long         principle of operation of the actuating element       momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides         product extension optional       • light source       Yes         • contact module       Yes         color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       •         • clockwise       45°         • anticlockwise       45°         color of the front ring       Metal, high gloss         color of the front ring       sliver         Ceneral technical data       meterial of the front neg         protection nEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       • according to IEC 60068-2-27         • aincoidal half-wave 15g / 11 ms <th>product type designation</th> <th>3SU1</th>	product type designation	3SU1	
number of command points       1         Actuator       design of the actuating element       selector, long         principle of operation of the actuating element       momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides         product extension optional       •       iight source       Yes         • contact module       Yes       color of the actuating element       red         material of the actuating element       plastic       stape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm       number of switching positions       3         actuating angle       •       elockwise       45°         • contockwise       45°       *       *         e anticlockwise       45°       *       *         foot the front ring       Yes       Yes       *         design of the front ring       Yes       *       *         enticlockwise       45°       *       *       *         product component front ring       Yes       *       *       *         design of the front ring       standard       *       *       *         general tochnical data       *       *       *       *       *         general toc	product line	Metal, shiny, 22 mm	
Actuator         design of the actuating element       selector, long         principle of operation of the actuating element       momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides         product extension optional       .         • light source       Yes         • contact module       Yes         color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       .         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         general tochnical data	Enclosure		
design of the actuating element       selector, long         principle of operation of the actuating element       momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides         product extension optional       .         • light source       Yes         • contact module       Yes         color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       .         • clockwise       45"         • anticlockwise       45"         Product orgonent front ring       Yes         design of the front ring       standard         material of the front ring       standard         material of the front ring       silver         General technical data       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms	number of command points	1	
principle of operation of the actuating element       momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides         product extension optional       Ves         • contact module       Yes         color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         gesign of the front ring       Yes         design of the front ring       Standard         material of the front ring       silver         General technical data       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	Actuator		
product extension optional <ul> <li>light source</li> <li>contact module</li> <li>Yes</li> <li>contact module</li> <li>Yes</li> <li>color of the actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>Handle</li> <li>outer diameter of the actuating element</li> <li>44.8 mm</li> <li>number of switching positions</li> <li>a</li> <li>actuating angle</li> <li>clockwise</li> <li>45°</li> <li>anticlockwise</li> <li>45°</li> <li>front ring</li> <li>product component front ring</li> <li>Yes</li> <li>design of the front ring</li> <li>standard</li> <li>material of the front ring</li> <li>standard</li> <li>general technical data</li> <li>protection class IP</li> <li>IP66, IP67, IP69(IP69K)</li> <li>degree of protection NEMA rating</li> <li>1, 2, 3, 3R, 4, 4X, 12, 13</li> <li>shock resistance</li> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>vibration resistance</li> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>sinusoidal</li></ul>	design of the actuating element	selector, long	
• light source       Yes         • contact module       Yes         color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         front ring       Yes         product component front ring       Yes         design of the front ring       standard         material of the front ring       standard         general technical data       -         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         • uibration resistance       sinusoidal half-wave 15g / 11 ms	principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides	
• contact module       Yes         color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       • clockwise         • clockwise       45°         • anticlockwise       45°         front ring       Yes         gdesign of the front ring       Yes         clore of the front ring       Metal, high gloss         color of the front ring       silver         General technical data       protection NEMA rating         protection ISE IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	product extension optional		
color of the actuating element       red         material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         front ring       Yes         product component front ring       Yes         design of the front ring       standard         material of the front ring       standard         general technical data       protection class IP         protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       according to IEC 60068-2-27         • according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms	light source	Yes	
material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       •         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         gesign of the front ring       Yes         design of the front ring       Metal, high gloss         color of the front ring       silver         General technical data       IP66, IP67, IP69(IP69K)         protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	contact module	Yes	
shape of the actuating element       Handle         outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         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       IP66, IP67, IP69(IP69K)         protection Class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	color of the actuating element	red	
outer diameter of the actuating element       44.8 mm         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         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       IP66, IP67, IP69(IP69K)         protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	material of the actuating element	plastic	
number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         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       IP66, IP67, IP69(IP69K)         protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	shape of the actuating element	Handle	
actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         product component front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       Silver         General technical data       Protection class IP         protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       Sinusoidal half-wave 15g / 11 ms	outer diameter of the actuating element	44.8 mm	
• clockwise       45°         • anticlockwise       45°         Front ring       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       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	number of switching positions	3	
• anticlockwise       45°         Front ring       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       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       IP66, IP67, IP69(IP69K)	actuating angle		
Front ring       Yes         product component front ring       standard         design of the front ring       standard         material of the front ring       Metal, high gloss         color of the front ring       silver         General technical data       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       Vibration resistance	clockwise	45°	
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         protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance	anticlockwise	45°	
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         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       IP66, IP67, IP69(IP69K)	Front ring		
material of the front ring       Metal, high gloss         color of the front ring       silver         General technical data       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       Invite the sinusoidal half-wave 15g / 11 ms	product component front ring	Yes	
color of the front ring     silver       General technical data     IP66, IP67, IP69(IP69K)       protection class IP     IP66, IP67, IP69(IP69K)       degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13       shock resistance     sinusoidal half-wave 15g / 11 ms       vibration resistance     Sinusoidal half-wave 15g / 11 ms	design of the front ring	standard	
General technical data         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	material of the front ring	Metal, high gloss	
protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         vibration resistance       sinusoidal half-wave 15g / 11 ms	color of the front ring	silver	
degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       • according to IEC 60068-2-27         vibration resistance       sinusoidal half-wave 15g / 11 ms	General technical data		
shock resistance     sinusoidal half-wave 15g / 11 ms       vibration resistance     sinusoidal half-wave 15g / 11 ms	protection class IP	IP66, IP67, IP69(IP69K)	
according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
vibration resistance	shock resistance		
	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms	
• according to IEC 60068-2-6 10 500 Hz: 5g	vibration resistance		
	according to IEC 60068-2-6	10 500 Hz: 5g	
operating frequency maximum 1 800 1/h	operating frequency maximum	1 800 1/h	
mechanical service life (operating cycles) typical 1 000 000	mechanical service life (operating cycles) typical	1 000 000	
reference code according to IEC 81346-2 S	reference code according to IEC 81346-2	S	
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014	
Safety related data	Safety related data		
B10 value with high demand rate according to SN 31920 300 000	B10 value with high demand rate according to SN 31920	300 000	
proportion of dangerous failures	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		
during operation	-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	44.8 mm	
width	44.8 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	28.8 mm	
installation width	44.8 mm	
installation depth	25.4 mm	
Certificates/ approvals		

## Further information

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=3SU1052-2CM20-0AA0-Z X90

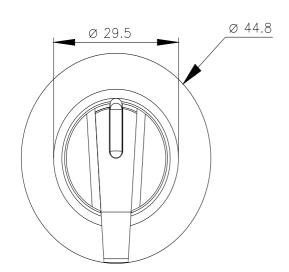
Cax online generator

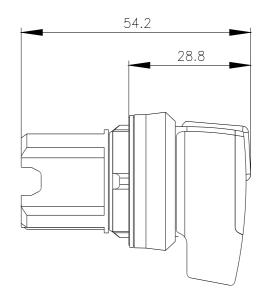
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1052-2CM20-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1052-2CM20-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1052-2CM20-0AA0-Z X90&lang=en





last modified:

1/26/2022 🖸