## SIEMENS

## Data sheet

## 3SU1062-2DM20-0AA0-Z Y15



Selector switch, illuminable, 30 mm, round, Metal, matte, red, selector switch, short, front ring for flush installation, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product brand name         SIRUS ACT           product designation         Selector switches           design of the product         Actuating/signaling element           product line         Metal, matt, flat, 30 mm           Enclosure		
design of the product       Actuating/signaling element         product type designation       3SU1         product line       Metal, matt, flat, 30 mm         Enclosures       1         Actuator       design of the actuating element         principle of operation of the actuating element       momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides         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       plastic         shape of the actuating element       plastic         material of the actuating element       glasm         customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         #ont front ring       Yes         product component front ring       Yes         product component front ring       Sand gray         General technical data       -         protection class IP       IP66, IP67, IP69(IP69K)         d	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Metal, matt, flat, 30 mm           Enclosure         mumber of command points         1           Actuator         design of the actuating element         selector, short           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         Yes           • contact module         Yes           • contact module         Yes           • color of the actuating element         plastic           shape of the actuating element         plastic           usterial of the actuating element         38 mm           outer diameter of the actuating element         38 mm           usto outer diameter of the actuating element         38 mm           marking of the actuating element         38 mm           unmber of switching positions         3           actuating angle         45°           • clockwise         45°           • anticlockwise         45°           • anticlockwise         45°           for alway applications according to EN 61373         12, 3, 3R, 4, 4X, 12, 13           shock resistance         sinusoidal half-wave 15g / 11 ms           • according to IEC 60068-2-6	product designation	Selector switches
product line         Metal, matt, flat, 30 mm           Enclosure         number of command points         1           Actuator	design of the product	Actuating/signaling element
Enclosure       1         Actuator       design of the actuating element       Selector, short         principle of operation of the actuating element       momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides         prduct extension optional       • light source       Yes         • contact module       Yes         color of the actuating element       preduct extension optional         • actuating element       preduct extension optional         outer diameter of the actuating element       plastic         shape of the actuating element       Bandle         outer diameter of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45"         • clockwise       45"         • anticlockwise       45"         • anticlockwise       45"         for ning       Yes         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         • according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms	product type designation	3SU1
number of command points       1         Actuator       design of the actuating element       Selector, short         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       Yes         • light source       Yes         • contact module       Yes         • contact module       Yes         color of the actuating element       plastic         shape of the actuating element       Plastic         shape of the actuating element       Bandle         outer diameter of the actuating element       38 mm         marking of the actuating element       30 actuating angle         • clockwise       45°         • anticlockwise       45°         e anticlockwise       45°         e anticlockwise       45°         e for anting       Metal, matt         color of the front ring       sand gray         General technical data       protection ness IP         protection class IP       IP66, IP67, IP69(IP69K)         degree of prote	product line	Metal, matt, flat, 30 mm
Actuator       design of the actuating element       Selector, short         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       ight source       Yes         • contact module       Yes         color of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       38 mm         outer diameter of the actuating element       Customized labeling, text in lower case / capital letters, all words start         number of switching positions       3         actuating angle       elockwise         • clockwise       45°         • anticlockwise       45°         Front ring       Flat         material of the front ring       Yes         design of the front ring       Selector, short         of the front ring       Yes         design of the coutating element       Uses         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         • according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         • for railway applications ac	Enclosure	
design of the actuating element       Selector, short         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       38 mm         outer diameter of the actuating element       38 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         product component front ring       Yes         design of the front ring       Flat         material of the front ring       sand gray         General technical data          protection class IP       IP66, IP67, IP69(IP69K)         eacording 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	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         Yes           • light source         Yes           • contact module         Yes           color of the actuating element         plastic           shape of the actuating element         plastic           outre diameter of the actuating element         38 mm           marking of the actuating element         38 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         Yes           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           • for railway applications according to EN 61373         Category 1, Class B           vibration resistance         10 500 H2: 5g           • according to IEC 60068-2-6         10 500 H2: 5g           • for railway applications according to EN 61373         Category 1, Class	Actuator	
product extension optional       Yes         • 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       Blastic         shape of the actuating element       38 mm         cuter diameter of the actuating element       38 mm         marking of the actuating element       34 mm         with capital letters       alboximized labeling, text in lower case / capital letters, all words start         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         • anticlockwise       45°         • anticlockwise       45°         • front ring       Yes         design of the front ring       Ketal, matt         color of the front ring       sand gray         General technical data       protection NEMA rating         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       eaccording to IEC 60068-2-6	design of the actuating element	Selector, short
• 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       38 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         e anticlockwise       45°         gerodet the front ring       Flat         material of the front ring       Ketal, matt         color of the front ring       Sand gray         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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         • according to IEC 60068-2-6       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B         operating frequen	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         38 mm           marking of the actuating element         Customized labeling, text in lower case / capital letters, all words start with capital letters           number of switching positions         3           actuating angle         -           • clockwise         45°           • anticlockwise         45°           e anticlockwise         45°           product component front ring         Yes           design of the front ring         Flat           material of the front ring         Sand gray           General technical data         -           protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13           shock resistance         according to IEC 60068-2-27           e according to IEC 60068-2-61         10 500 Hz: 5g           of railway applications according to EN 61373         Category 1, Class B           vibration resistance         1800 1/h	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       38 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         design of the front ring       Flat         material of the front ring       Sa gray         General technical data       -         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         vibration resistance       -         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       -	light source	Yes
material of the actuating element       plastic         shape of the actuating element       Handle         outer diameter of the actuating element       38 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         general technical data       Flat         material of the front ring       Metal, matt         color of the front ring       Sand gray         General technical data       Protection NEMA rating         protection lass 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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         • 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	contact module	Yes
shape of the actuating element       Handle         outer diameter of the actuating element       38 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         product component front ring       Flat         material of the front ring       Metal, matt         color of the front ring       Sand gray         General technical data       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       • for railway applications according to EN 61373         operating frequency maximum       1 800 1/h	color of the actuating element	red
outer diameter of the actuating element       38 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45° <b>Front ring</b> Yes         design of the front ring       Flat         material of the front ring       Flat         material of the front ring       Ketal, matt         color of the front ring       sand gray         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         • 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       0         • according to IEC 60068-2-6       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B         operating f	material of the actuating element	plastic
marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         Front ring       Yes         design of the front ring       Flat         material of the front ring       Ketal, matt         color of the front ring       Sand gray         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         • 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       1 800 1/h	shape of the actuating element	Handle
with capital lettersnumber of switching positions3actuating angle45°• clockwise45°• anticlockwise45°front ringYesproduct component front ringYesdesign of the front ringFlatmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	outer diameter of the actuating element	38 mm
actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         product component front ring       Yes         design of the front ring       Flat         material of the front ring       Metal, matt         color of the front ring       sand gray         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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         • according to IEC 60068-2-6       10 500 Hz: 5g         of railway applications according to EN 61373       Category 1, Class B         operating frequency maximum       1 800 1/h	marking of the actuating element	
• clockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringFlatmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance1800 1/h	number of switching positions	3
anticlockwise 45° Front ring Front ring Yes design of the front ring Flat material of the front ring Sand gray 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 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	actuating angle	
Front ring       Yes         product component front ring       Flat         design of the front ring       Flat         material of the front ring       Metal, matt         color of the front ring       sand gray         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         • 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	clockwise	45°
product component front ringYesdesign of the front ringFlatmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	anticlockwise	45°
design of the front ringFlatmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	Front ring	
material of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	product component front ring	Yes
color of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistanceI0 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	design of the front ring	Flat
General technical data         protection class IP         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance	material of the front ring	Metal, matt
protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	color of the front ring	sand gray
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	General technical data	
shock resistance       inusoidal half-wave 15g / 11 ms         • 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       inusoidal half-wave 15g / 11 ms         • 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)
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
for railway applications according to EN 61373     Category 1, Class B     vibration resistance         e according to IEC 60068-2-6         for railway applications according to EN 61373         Category 1, Class B         operating frequency maximum         1 800 1/h	shock resistance	
vibration resistance       10 500 Hz: 5g         • 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	<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>1 800 1/h</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
for railway applications according to EN 61373     Category 1, Class B     1 800 1/h	vibration resistance	
operating frequency maximum 1 800 1/h	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
operating frequency maximum 1 800 1/h	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
mechanical service life (switching cycles) typical 300 000		1 800 1/h
	mechanical service life (switching cycles) typical	300 000

reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
Safety related data	
B10 value with high demand rate according to SN 31920	300 000
proportion of dangerous failures	
with low demand rate according to SN 31920	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	44.8 mm
width	38 mm
shape of the installation opening	round
mounting diameter	30.5 mm
positive tolerance of installation diameter	0.5 mm
mounting height	22.1 mm
installation width	38 mm
installation depth	32.1 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 Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3SU1062- Image database (product images, 2D dimension drawing: http://www.automation.siemens.com/bilddb/cax_de.aspx?mlf	t?mlfb=3SU1062-2DM20-0AA0-Z Y15 It.aspx?lang=en&mlfb=3SU1062-2DM20-0AA0-Z Y15 FAQs,) 2DM20-0AA0-Z Y15 s, 3D models, device circuit diagrams, EPLAN macros,)

last modified:

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