## **SIEMENS**

## **Data sheet**



Key-operated switch O.M.R, 22 mm, round, plastic with metal front ring, lock number 73037, red, with 2 keys, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O, with laser labeling, lower case

principle of operation of the actuating element product extension optional light source  of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise anticlockwise for Marke key number  O.M.R. key number  73037  Front ring  product component front ring design of the front ring Metal, matt color of the front ring Metal, matt sand gray  momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No			
design of the product type designation 3SU1 product tine Plastic with metal front ring, matt, 22 mm manufacturer's article number of included key 3SU1950-0FK20-0AAQ  ACUADOT  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 No eolor  of the actuating element metal front ring dement product extension element metal shape of the actuating element metal front ring return on the actuating element Aprinciple of the actuating aprinciple of the actuating Aprinciple of the front ring Aprinciple of the fr	product brand name	SIRIUS ACT	
product type designation product tine Plastic with metal front ring, matt, 22 mm manufacturer's article number of included key  SSU1950-0FK20-0AA0  Actuator  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 No  No  No  of the actuating element red material of the actuating element metal shape of the actuating element Any inscription, text in lower case number of switching positions 3 switch position for key distraction Oatuating angle  olockwise 45° anticlockwise 45° anticlockwise 45° anticlockwise 45° anticlockwise 73037  Front ring  Product component front ring Standard material of the front ring Alexandre Standard material of the front ring Standard material of the front ring Standard  degree of protection Less IP of the terminal P20  degree of protection NEMA rating  **Production Standard** **Protection class IP of the terminal P20  degree of protection NEMA rating  **According to IEC 60068-2-27 of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B of railway applications according to EN 61373 Category 1, Class B	product designation	Key-operated switches	
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of included key 38U1950-0FK20-0AA0 Actuator  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 No ocolor  • of the actuating element red material of the actuating element metal shape of the actuating element Key outer diameter of the actuating element Any inscription, text in lower case number of switching positions 3 switch position for key distraction Octookwise 45° anticlockwise 45° antic	design of the product	Actuating/signaling element	
manufacturer's article number of included key  Actuator  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 No of the actuating element red material of the actuating element Metal shape of the actuating element Metal shape of the actuating element Any inscription, text in lower case number of switching positions 3 switch position for key distraction O actuating angle clockwise 45"  lock make Any inscription, text in lower case number of switching positions 45"  lock make O.M.R. key number 7:3037  Front ring Yes  design of the front ring Standard material of the front ring Metal, mat color of the front ring sand gray  General technical data  protection class IP P P66, IP67, IP69(IP69K)  e of the terminal P20  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  operating frequency maximum 1 800 1/h  mechanical service life (operating cycles) typical 1 000 000	product type designation	3SU1	
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 No octor e of the actuating element metal material of the actuating element metal eactuating element (key outer diameter of the actuating element 29.5 mm marking of the actuating element Any inscription, text in lower case number of switching positions 3 switch position for key distraction O actuating angle clockwise 45° actioidexwise 45°	product line	Plastic with metal front ring, matt, 22 mm	
principle of operation of the actuating element product extension optional light source  color	manufacturer's article number of included key	3SU1950-0FK20-0AA0	
product extension optional light source color of the actuating element shape of the actuating element shape of the actuating element marking of the actuating element  Any inscription, text in lower case  4 ny inscription, text in lower case  4 s' electuating angle electockwise e	Actuator		
color	principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides	
e of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of switching positions switch position for key distraction o catuating angle e clockwise 45° e anticlockwise 45° e anticlockwise 45° iok make Ney number 73037  Front ring  product component front ring design of the front ring standard material of the front ring color of the front ring sand gray  protection class IP of the lerminal degree of protection NEMA rating shock resistance a according to IEC 60068-2-7 of or railway applications according to EN 61373  operating frequency maximum 1800 1/14 mechanical service life (operating cycles) typical 1000 000  red 1900 1/14	product extension optional light source	No	
material of the actuating element Key outer diameter of the actuating element 29.5 mm marking of the actuating element Any inscription, text in lower case number of switching positions 3 switch position for key distraction O actuating angle elockwise 45° anticlockwise 45° anticlockwise 45° inchit component front ring 73037  Front ring  product component front ring Standard material of the front ring Standard material of the front ring sand gray  protection class IP of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum 1800 1800 1800 1800 1800 1800 1800 180	color		
shape of the actuating element         Key           outer diameter of the actuating element         29.5 mm           marking of the actuating element         Any inscription, text in lower case           number of switching positions         3           switch position for key distraction         0           actuating angle         - clockwise           e anticlockwise         45°           lock make         O.M.R.           key number         73037           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           e 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           e for railway applications according to EN 61373         Category 1, Class B           vibration resistance         according to IEC 60068-2-6         10 500 Hz: 5g           e for railway applications according to EN 61373         Category 1, Class B           operating frequency maximum         1 800 1/h           mech	<ul> <li>of the actuating element</li> </ul>	red	
outer diameter of the actuating element         29.5 mm           marking of the actuating element         Any inscription, text in lower case           number of switching positions         3           switch position for key distraction         0           actuating angle         - clockwise           • clockwise         45°           • anticlockwise         45°           lock make         O.M.R.           key number         73037           Front ring           Front ring           design of the front ring           Metal, matt           color of the front ring           Metal, matt           color of the front ring           Metal, matt           color of the front ring           degree of protection 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           • for railway applications according to EN 61373         Category 1, Class B <td< th=""><th>material of the actuating element</th><th>metal</th></td<>	material of the actuating element	metal	
marking of the actuating element  number of switching positions  switch position for key distraction  octockwise clockwise clockwise clock make clock make color make color of the front ring material of the front ring material of the front ring material of the front ring color of the front ring moterial of the front ring for the terminal  degree of protection NEMA rating shock resistance caccording to IEC 60068-2-27 cfor railway applications according to EN 61373  operating frequency maximum  Any inscription, text in lower case  Any inscription, text in lower case  3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	shape of the actuating element	Key	
number of switching positions  switch position for key distraction  octuating angle	outer diameter of the actuating element	29.5 mm	
switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • A5°  • A10	marking of the actuating element	Any inscription, text in lower case	
actuating angle	number of switching positions	3	
clockwise     anticlockwise     45°     anticlockwise     O.M.R.  key number     73037  Front ring  product component front ring     Standard  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     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  mechanical service life (operating cycles) typical  O.M.R.  Vibration resistance     45°  O.M.R.  PROME OF MERCON NEMA  O.M.R.  Provided O.M.R.  Net Also  Vibration resistance  O.M.R.  Also  O.M.R.  Provided O.M.R.  Net Also  O.M.R.  Provided O.M.R.  Net Also  Net Also  O.M.R.  Net Also  Net	switch position for key distraction	0	
onticlockwise     one and inclockwise     one and	actuating angle		
lock make key number 73037  Front ring  product component front ring design of the front ring material of the front ring material of the front ring color of the front ring 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 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 1 800 1/h mechanical service life (operating cycles) typical  OMETA Yes Metal, matt Standard Metal, m	• clockwise	45°	
roduct component 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 of the terminal lP20 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 1 800 1/h mechanical service life (operating cycles) typical 1 798 Standard Metal, wat standard Metal, matt sand gray Metal, matt sand gray  IP68 IP68, IP67, IP69(IP69K) IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20	anticlockwise	45°	
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  flead  for rotection 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  1 800 1/h  mechanical service life (operating cycles) typical	lock make	O.M.R.	
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  IP20  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  1 800 1/h  mechanical service life (operating cycles) typical	key number	73037	
design of the front ring  material of the front ring  mate	Front ring		
material of the front ring color of the front ring sand gray  General technical data  protection class IP of the terminal lP20 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  vibration resistance 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 mechanical service life (operating cycles) typical 1 000 000	product component front ring	Yes	
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  of railway applications according to EN 61373  vibration resistance  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  mechanical service life (operating cycles) typical  1 000 000	design of the front ring	Standard	
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 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 mechanical service life (operating cycles) typical  IP20 IP20 IP20 Sinusoidal half-wave 15g / 11 ms Category 1, Class B  Category 1, Class B  10 500 Hz: 5g Category 1, Class B	material of the front ring	Metal, matt	
protection class IP  of the terminal  lP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  of according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  of railway applications according to EN 61373  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  1 000 000	color of the front ring	sand gray	
<ul> <li>of the terminal</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>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>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> <li>mechanical service life (operating cycles) typical</li> <li>1 000 000</li> </ul>	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  mechanical service life (operating cycles) typical 1 000 000	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  mechanical service life (operating cycles) typical 1 000 000	of the terminal	IP20	
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  mechanical service life (operating cycles) typical     1 000 000	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     according to IEC 60068-2-6     for railway applications according to EN 61373  Category 1, Class B  Category 1, Class B  Operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  1 000 000	shock resistance		
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  mechanical service life (operating cycles) typical  1 000 000	<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal 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 mechanical service life (operating cycles) typical 1 000 000	<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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  1 000 000	vibration resistance		
operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000	• according to IEC 60068-2-6	10 500 Hz: 5g	
mechanical service life (operating cycles) typical 1 000 000	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
· · · · · · · · · · · · · · · · · · ·	operating frequency maximum	1 800 1/h	
reference code according to IEC 81346-2	mechanical service life (operating cycles) typical	1 000 000	
	reference code according to IEC 81346-2	S	

Substance Prohibitance (Date)	10/01/2014
Ambient conditions	10/01/2011
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	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	51.7 mm
installation width	29.5 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=3SU1030-4FM01-0AA0-Z Y12

Cax online generator

t.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-4FM01-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-4FM01-0AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-4FM01-0AA0-Z Y12&lang=en

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