## SIEMENS

## Data sheet

## US2:52SC6AXA1

Keyed selector switch, metal Spring return from right A Cam 1NO-1NC left 2 position Complete device Key type 501CH (standard) Key removable in left position UL file E22655 in Vol. 6 (7) Sec. 13 (2)



design of the product     Complete unit round       Enclosure     Number of command points     1       delivery state as a kit     No       Actuator     Mo       design of the actuating element     Key-operated switch       product extension optional light source     No       color of the actuating element     chrome       material of the actuating element     metal       number of contact modules     1       type of unlocking device     without       number of switching positions     2       switch position for key distraction     center       lock make     ILLINOIS       key number     501CH       Front ring     standard       material of the front ring     estandard       material of the front ring     fead       Operating of the front ring     fead       product component front ring     fead       observe     No       Insulation voltage rated value     600 V       deigre of pollution     1       lype of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     600 V N       degree of polluti		
Enclosure         1           number of command points         1           delivery state as a kit         No           Actuator         Mo           design of the actuating element         Key-operated switch           product extension optional light source         No           color of the actuating element         metal           number of contact modules         1           type of unlocking device         without           number of switching positions         2           switch position for key distraction         center           lock make         ILLINOIS           key number         Font ring           product component front ring         standard           material of the front ring         metal           color of the front ring         chrome           Holder         Metal           General technical data         product function positive opening           product function positive opening         Yes           surge or the operaing voltage         Ac//CC           surge oritage resistance rated value         600	product brand name	SIEMENS Pilot Devices
number of command points         1           delivery state as a kit         No           Actuator         Key-operated switch           product extension optional light source         No           color of the actuating element         chrome           material of the actuating element         metal           number of contact modules         1           type of unlocking device         without           number of witching positions         2           switch position for key distraction         center           lock make         ILLINOIS           key number         501CH           Front ring         Yes           product component front ring         Yes           deligen of the front ring         metal           color of the front ring         Color of the front ring           product function positive opening         Yes           product function positive opening         Yes           product function positive opening         Yes           product opnonent light source         No           Insulation voitage rated value         600 V           degree of pollution         1           type of voitage of the operating voitage         AC/DC           surge voitage resistance rated value		Complete unit round
delivery state as a kit       No         Actuator		
Actuator       design of the actuating element       Key-operated switch         product extension optional light source       No         color of the actuating element       metal         number of contact modules       1         type of unlocking device       without         number of switching positions       2         switch position for key distraction       center         lock make       ILLINOIS         key number       501CH         Front ring       product component front ring         product component front ring       res         design of the front ring       metal         color of the front ring       metal         General technical data       product component front ring         product component light source       No         Insulation votage rated value       600 V         degree of pollution       1         type of voltage resistance rated value       4.VV         protect function positive opening       IP66         operating frequency maximum       600 1/h         type of voltage resistance rated value       4.VV	•	
design of the actuating element     Key-operated switch       product extension optional light source     No       color of the actuating element     chrome       material of the actuating element     metal       number of contact modules     1       type of unlocking device     without       number of switching positions     2       switch position for key distraction     center       lock make     ILLINOIS       key number     501CH       Front ring     yes       gengen of the front ring     standard       material of the front ring     metal       color of the front ring     metal       color of the front ring     chrome       material of the front ring     metal       color of the front ring     metal       color of the front ring     metal       color of the front ring     metal       product function positive opening     Yes       product function class IP     IPE66       of the termin		No
product extension optional light source         No           color of the actuating element         chrome           material of the actuating element         metal           number of contact modules         1           type of unlocking device         without           number of switching positions         2           switch position for key distraction         center           lock make         ILLINOIS           key number         501CH           Product component front ring         Yes           design of the front ring         standard           material of the front ring         metal           color of the front ring         chrome           Holder         Metal           Colerrof the holder         Metal           General technical data         product component light source           product function positive opening         Yes           product function test ret value         600 V           dagree of pollution         1           type of voltage resistance rated valu	Actuator	
color of the actuating element       chrome         material of the actuating element       metal         number of contact modules       1         type of unlocking device       without         number of switching positions       2         switch position for key distraction       center         lock make       ILLINOIS         key number       601CH         Front ring       Yes         design of the front ring       standard         material of the front ring       estandard         material of the holder       Metal         General technical data       product function positive opening         product function positive opening       Yes         product function positive opening       CiDC <t< td=""><td>design of the actuating element</td><td>Key-operated switch</td></t<>	design of the actuating element	Key-operated switch
material of the actuating element       metal         number of contact modules       1         type of unlocking device       without         number of switching positions       2         switch position for key distraction       center         lock make       ILLINOIS         key number       501CH         Product component front ring       Yes         design of the front ring       metal         color of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       product component light source         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         <	product extension optional light source	No
number of contact modules       1         type of unlocking device       without         number of switching positions       2         switch position for key distraction       center         lock make       ILLINOIS         key number       501CH         Front ring       product component front ring         product component front ring       Yes         design of the front ring       metal         color of the front ring       metal         color of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       product function positive opening         preduct function positive opening       Yes         product function positive opening       Yes         surge of pollution       1         lype of voltage resistance rated value       600 V         degree of pollution       1         lype of voltage resistance rated value       4 kV         protection class IP       IP66         of the terminal       IP20	color of the actuating element	chrome
type of unlocking device       without         number of switching positions       2         switch position for key distraction       center         lock make       ILLINOIS         key number       501CH         Front ring       Yes         design of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       metal         general technical data       metal         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protoction class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max/ 10g max.         operating frequency maximum       600 1/h         thermal cu	material of the actuating element	metal
number of switching positions       2         switch position for key distraction       center         lock make       ILLINOIS         key number       501CH         Front ring       product component front ring         material of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       metal         general technical data       product function positive opening         product function positive opening       Yes         product of the operating voltage       AC/DC         surge voltage resistance rated value       600 V         degree of pollution       1         type of voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-	number of contact modules	1
switch position for key distraction       center         lock make       ILLINOIS         key number       501CH         Front ring       product component front ring         material of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       metal         product function positive opening       Yes         product omponent light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating roltage according to IEC 60068-2-6       0 600 V         • at AC at 60 Hz rated value       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	type of unlocking device	without
lock make       ILLINOIS         key number       501CH         Front ring          product component front ring       Standard         material of the front ring       metal         color of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       product component light source         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4kV         protection class IP       IPE66         of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         e at AC at 60 Hz rated value       5 600 V         e at AC at 60 Hz rated value       5 600 V         e at AC at 60 Hz rated value       5 600 V	number of switching positions	2
key number       501CH         Front ring       product component front ring       Yes         design of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       general technical data         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max/ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         e at AC at 60 Hz rated value       5 600 V         e at AC at 60 Hz rated value       5 600 V	switch position for key distraction	center
Front ring       Yes         design of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       material of the holder         material of the holder       Metal         General technical data       modulation         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max / 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	lock make	ILLINOIS
product component front ring       Yes         design of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       General technical data         product function positive opening       Yes         product function positive opening       Yes         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	key number	501CH
design of the front ring       standard         material of the front ring       metal         color of the front ring       chrome         Holder       material of the holder         Metal       General technical data         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	Front ring	
material of the front ring       metal         color of the front ring       chrome         Holder       Metal         General technical data       Metal         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V         • at DC rated value       5 600 V	product component front ring	Yes
color of the front ring       chrome         Holder       material of the holder       Metal         General technical data          product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	design of the front ring	standard
Holder       Metal         General technical data       Metal         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	material of the front ring	metal
material of the holder       Metal         General technical data       Metal         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	color of the front ring	chrome
General technical data         product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	Holder	
product function positive opening       Yes         product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V         • at DC rated value       5 600 V	material of the holder	Metal
product component light source       No         insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	General technical data	
insulation voltage rated value       600 V         degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       5 600 V         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	product function positive opening	Yes
degree of pollution       1         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       -         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	product component light source	No
type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       -         • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V	insulation voltage rated value	600 V
surge voltage resistance rated value       4 kV         protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage	degree of pollution	1
protection class IP       IP66         • of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       • at AC at 60 Hz rated value         • at DC rated value       5 600 V         • power Electronics       5 600 V	type of voltage of the operating voltage	AC/DC
• of the terminal       IP20         vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage       • at AC at 60 Hz rated value         • at DC rated value       5 600 V         • at DC rated value       5 600 V	surge voltage resistance rated value	4 kV
vibration resistance according to IEC 60068-2-6       0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.         operating frequency maximum       600 1/h         thermal current       10 A         operating voltage	protection class IP	IP66
operating frequency maximum       600 1/h         thermal current       10 A         operating voltage          • at AC at 60 Hz rated value       5 600 V         • at DC rated value       5 600 V         Power Electronics	<ul> <li>of the terminal</li> </ul>	IP20
thermal current     10 A       operating voltage     5 600 V       • at AC at 60 Hz rated value     5 600 V       • at DC rated value     5 600 V       Power Electronics	vibration resistance according to IEC 60068-2-6	0 2000 Hz, 1.52 mm displacement (peak-to-peak) max./ 10g max.
operating voltage       • at AC at 60 Hz rated value       • at DC rated value       5 600 V       Power Electronics	operating frequency maximum	600 1/h
• at AC at 60 Hz rated value         5 600 V           • at DC rated value         5 600 V           Power Electronics         5 600 V	thermal current	10 A
• at DC rated value 5 600 V Power Electronics	operating voltage	
Power Electronics	• at AC at 60 Hz rated value	5 600 V
	• at DC rated value	5 600 V
contact reliability one incorrect switching operation of 100 million switching operations (5 V, 1	Power Electronics	
,	contact reliability	one incorrect switching operation of 100 million switching operations (5 V, 1

	mA)	
Auxiliary circuit		
number of NC contacts for auxiliary contacts	1	
number of NO contacts for auxiliary contacts	1	
operational current at AC-15		
• at 110 V rated value	60 A	
• at 230 V rated value	30 A	
• at 400 V rated value	15 A	
• at 500 V rated value	12 A	
Connections/ Terminals		
type of electrical connection	screw terminal	
type of connectable conductor cross-sections for AWG cables for auxiliary contacts	1x (18 12), 2x (18 16), 2x (16 14), 2x 12	
tightening torque of the screws in the bracket maximum	20 N·m	
tightening torque [lbf-in] with screw-type terminals minimum	8 lbf·in	
Electrical Safety		
touch protection against electrical shock	finger-safe	
Ambient conditions		
ambient temperature		
<ul> <li>during operation</li> </ul>	-35 +70 °C	
during storage	-40 +85 °C	
Installation/ mounting/ dimensions		
shape of the installation opening	round	
Further information		
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 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.asp Service&Support (Manuals, Certificates, Characteristics, FAQs https://support.industry.siemens.com/cs/ww/en/ps/US2:52SC6AXA Image database (product images, 2D dimension drawings, 3D http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2	<u>k?lang=en&amp;mlfb=US2:52SC6AXA1</u> s,) <u>1</u> models, device circuit diagrams, EPLAN macros,)	

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