## **SIEMENS**

Data sheet US2:52SA2CABA1P



30mm Command/52, Chrome Finish Heavy Duty, Watertight/Oiltight Point-of-Purchase Kit Non-Illuminated Selector Switch, Short Lever Black with White Insert 3 Position, C-CAM Maintained with 1 N.O. - 1 N.C. Heavy Duty Contacts, A600/P600 UL Listed, CSA Certified NEMA 1,3,3R,4,4X,12,13 & Automotive Standards 1 52NL37 (hand off auto) and 1 52NL38 (for-off-rev)

number of command points 1 delivery state as a kit No Actuator  material of the actuating element plastic number of contact modules 1 type of unlocking device rotate-to-unlatch mechanism number of switching positions 3  Front ring product component front ring Salandard material of the front ring metal Ceneral technical data product function positive opening Yes product component • light source No insulation voltage rated value 600 V protection class IP of the terminal IP20 operating frequency maximum 600 1th thermal current 10 A Weight 0.27 kg Auxiliary circuit number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 110 V rated value 50 A • at 230 V rated value 15 A • at 400 V rated value 15 A • at 500 V rated value 15 A • at 500 V rated value 15 A • at 500 V rated value 15 A • at 600 V	Enclosure	
Actuator  material of the actuating element plastic number of contact modules type of unlocking device rotate-to-unlatch mechanism number of switching positions 3  Front ring  product component front ring yes sandard material of the front ring metal  General technical data product function positive opening Yes product component   elight source   No	number of command points	1
material of the actuating element number of contact modules 1 1 1 1 yes of unlocking device number of switching positions 3 7 7 ont ring product component front ring design of the front ring material of the front ring material of the front ring metal  General technical data product function positive opening product component elight source insulation voltage rated value protection class IP IP66	delivery state as a kit	No
number of contact modules type of unlocking device rotate-to-unlatch mechanism number of switching positions  Front ring product component front ring design of the front ring material of the front ring material of the front ring metal  General technical data product component  • light source   No insulation voltage rated value   600 V protection class IP   IP66 protection class IP   IP66 protection class IP   IP66 protection class IP   IP66   Auxiliary circuit number of NC contacts for auxiliary contacts   1 number of NC contacts for auxiliary contacts   1 number of NC contacts for auxiliary contacts   1 operational current at AC-15  • at 110 V rated value   50 A • at 200 V rated value   15 A • at 500 V rated value   15 A • at 500 V rated value   12 A  Connections', Terminals type of electrical connection   1 tightening torque ([bf-in] with screw-type terminals   8   bf-in Ambient conditions  amblent temperature  • during operation   -35 +70 °C installation/mounting/dimensions	Actuator	
type of unlocking device number of switching positions  7 rort ring  product component front ring design of the front ring material of the front ring  Product function positive opening yes product component   light source	material of the actuating element	plastic
number of switching positions  Front ring  product component front ring	number of contact modules	1
product component front ring Yes design of the front ring standard material of the front ring metal  General technical data product function positive opening Yes product component • light source No insulation voltage rated value 600 V protection class IP IP20 operating frequency maximum 600 1/h thermal current 10 A Weight 0.27 kg Auxillary circuit number of NC contacts for auxillary contacts 1 number of NC contacts for auxillary contacts 1 operational current at AC-15 • at 11 10 V rated value 60 A • at 230 V rated value 15 A • at 400 V rated value 12 A • at 500 V rated value 12 A Connections/ Terminals type of electrical connection 1 tightening torque (lbf-in) with screw-type terminals ambient conditions ambient conditions ambient temperature • during operation - 35 +70 °C • during storage - 40 +85 °C installation/ mounting/ dimensions	type of unlocking device	rotate-to-unlatch mechanism
product component front ring design of the front ring material of the front ring general technical data product function positive opening product component   • light source   No   insulation voltage rated value   Bo0 V   protection class IP   IP66   Operating fequency maximum   IP20   Operating fequency maximum   IP20   Output	number of switching positions	3
design of the front ring material of the front ring metal  Ceneral technical data product function positive opening product component  Insulation voltage rated value protection class IP protection class IP protection class IP   IP66 protection class IP   IP66 protection class IP of the terminal   IP20 operating frequency maximum   600 1/h thermal current   10 A Weight   0.27 kg  Auxiliary circuit number of NC contacts for auxiliary contacts   1 number of NC contacts for auxiliary contacts   1 operational current at AC-15 et at 110 V rated value   60 A et at 230 V rated value   30 A et at 400 V rated value   12 A  Connections/ Terminals type of electrical connection   screw terminal tightening torque (Ibf-in) with screw-type terminals ambient conditions ambient temperature et during operation   -35 +70 °C enstallation/ mounting/ dimensions	Front ring	
material of the front ring metal  General technical data product function positive opening Yes  product component  • light source No  insulation voltage rated value 600 V protection class IP IP66 protection class IP IP20 operating frequency maximum 600 1/h thermal current 10 A  Weight 0.27 kg  Auxillary circuit number of NO contacts for auxillary contacts 1 number of NO contacts for auxillary contacts 1 operational current at AC-15  • at 110 V rated value 60 A • at 230 V rated value 15 A • at 500 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals  type of electrical connection tightening torque (libf-in) with screw-type terminals 8 lbf-in  Ambient conditions ambient temperature • during operation 9.35 +70 °C eduring storage 4.40 +85 °C Installation/ mounting/ dimensions	product component front ring	Yes
product function positive opening Yes product component  • light source No insulation voltage rated value 600 V protection class IP IP66 protection class IP IP66 protection class IP of the terminal IP20 operating frequency maximum 600 1/h thermal current 10 A Weight 0.27 kg  Auxiliary circuit number of NC contacts for auxiliary contacts 1 number of NC 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 400 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals type of electrical connection screw terminal tightening torque [lbf-in] with screw-type terminals  Ambient conditions ambient temperature • during operation -35 +70 °C • during storage -40 +85 °C Installation/ mounting/ dimensions	design of the front ring	standard
product function positive opening Yes  product component  • light source No insulation voltage rated value  protection class IP IP66  protection class IP IP66  protection class IP Openating frequency maximum Sou 1/h thermal current 10 A Weight 0.27 kg  Auxiliary circuit number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 operational current at AC-15  • at 110 V rated value Sou A • at 230 V rated value 15 A • at 500 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals type of electrical connection screw terminal tightening torque of the screws in the bracket maximum tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature 40 uniform Source	material of the front ring	metal
product component    light source	General technical data	
Insulation voltage rated value Insulation voltage volta	product function positive opening	Yes
insulation voltage rated value  protection class IP  protection class IP of the terminal  protection of the contacts of class IP of the terminal  protection class IP of the terminal class IP of the class I	product component	
protection class IP IP66 protection class IP of the terminal IP20 operating frequency maximum 600 1/h thermal current 10 A Weight 0.27 kg  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 15 A • at 500 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals type of electrical connection screw terminal tightening torque [Ibf-in] with screw-type terminals  Ambient conditions  ambient temperature • during operation -35 +70 °C • during storage -40 +85 °C  Installation/ mounting/ dimensions	• light source	No
protection class IP of the terminal operating frequency maximum 600 1/h thermal current 10 A Weight 0.27 kg  Auxiliary circuit number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 operational current at AC-15  • at 110 V rated value • at 230 V rated value • at 230 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals type of electrical connection tightening torque [lbf·in] with screw-type terminals  Ambient conditions  ambient temperature • during operation • during storage Installation/ mounting/ dimensions	insulation voltage rated value	600 V
operating frequency maximum thermal current 10 A  Weight 0.27 kg  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 • at 230 V rated value • at 400 V rated value • at 500 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals  type of electrical connection tightening torque of the screws in the bracket maximum tightening torque [ibf-in] with screw-type terminals  Ambient conditions ambient temperature • during operation • during storage  Installation/ mounting/ dimensions	protection class IP	IP66
thermal current  Weight  0.27 kg  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  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  15 A  • at 500 V rated value  12 A  Connections/ Terminals  type of electrical connection  tightening torque of the screws in the bracket maximum  tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature  • during operation  • during storage  -40 +85 °C  Installation/ mounting/ dimensions	protection class IP of the terminal	IP20
Weight 0.27 kg  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 • at 230 V rated value • at 400 V rated value • at 500 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals  type of electrical connection tightening torque of the screws in the bracket maximum tightening torque of the screw-type terminals  Ambient conditions  ambient temperature • during operation • during storage • during storage  -40 +85 °C  Installation/ mounting/ dimensions	operating frequency maximum	600 1/h
Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current at AC-15  • at 110 V rated value  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  12 A  Connections/ Terminals  type of electrical connection  tightening torque of the screws in the bracket maximum  tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature  • during operation  • during storage  -40 +85 °C  Installation/ mounting/ dimensions	thermal current	10 A
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current at AC-15  • at 110 V rated value  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  15 A  • at 500 V rated value  12 A  Connections/ Terminals  type of electrical connection  tightening torque of the screws in the bracket maximum  tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature  • during operation  • during storage  -40 +85 °C  Installation/ mounting/ dimensions		0.27 kg
number of NO contacts for auxiliary contacts  operational current at AC-15  • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value  12 A  Connections/ Terminals  type of electrical connection screw terminal  tightening torque of the screws in the bracket maximum tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature • during operation • during storage -35 +70 °C • during storage -40 +85 °C	Auxiliary circuit	
operational current at AC-15  • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value 12 A  Connections/ Terminals  type of electrical connection screw terminal  tightening torque of the screws in the bracket maximum 20 N·m  tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature • during operation • during storage • during storage -35 +70 °C -40 +85 °C  Installation/ mounting/ dimensions	number of NC contacts for auxiliary contacts	1
<ul> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>2 A</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>screw terminal</li> <li>tightening torque of the screws in the bracket maximum</li> <li>tightening torque [lbf-in] with screw-type terminals</li> <li>8 lbf-in</li> </ul> Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>40 +85 °C</li> </ul> Installation/ mounting/ dimensions	number of NO contacts for auxiliary contacts	1
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>12 A</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>screw terminal</li> <li>tightening torque of the screws in the bracket maximum</li> <li>tightening torque [lbf-in] with screw-type terminals</li> <li>8 lbf-in</li> </ul> Ambient conditions ambient temperature <ul> <li>during operation</li> <li>-35 +70 °C</li> <li>during storage</li> <li>-40 +85 °C</li> </ul> Installation/ mounting/ dimensions	operational current at AC-15	
at 400 V rated value  at 500 V rated value  12 A  Connections/ Terminals  type of electrical connection screw terminal  tightening torque of the screws in the bracket maximum tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature  during operation during storage -40 +85 °C  Installation/ mounting/ dimensions	<ul> <li>at 110 V rated value</li> </ul>	60 A
● at 500 V rated value  Connections/ Terminals  type of electrical connection  screw terminal  tightening torque of the screws in the bracket maximum  tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature  ● during operation  -35 +70 °C  ● during storage  -40 +85 °C  Installation/ mounting/ dimensions	<ul> <li>at 230 V rated value</li> </ul>	30 A
type of electrical connection screw terminal tightening torque of the screws in the bracket maximum tightening torque [lbf-in] with screw-type terminals  Ambient conditions ambient temperature  • during operation • during storage  Installation/ mounting/ dimensions	• at 400 V rated value	15 A
type of electrical connection screw terminal  tightening torque of the screws in the bracket maximum tightening torque [lbf·in] with screw-type terminals  Ambient conditions ambient temperature • during operation • during storage  -35 +70 °C -40 +85 °C  Installation/ mounting/ dimensions	at 500 V rated value	12 A
tightening torque of the screws in the bracket maximum  tightening torque [lbf·in] with screw-type terminals  8 lbf·in  Ambient conditions  ambient temperature  • during operation • during storage  -40 +85 °C  Installation/ mounting/ dimensions	Connections/ Terminals	
tightening torque [lbf-in] with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage  -40 +85 °C  Installation/ mounting/ dimensions	type of electrical connection	screw terminal
Ambient conditions  ambient temperature  • during operation • during storage  -40 +85 °C  Installation/ mounting/ dimensions	tightening torque of the screws in the bracket maximum	20 N·m
ambient temperature	tightening torque [lbf·in] with screw-type terminals	8 lbf-in
<ul> <li>during operation</li> <li>during storage</li> <li>40 +85 °C</li> </ul> Installation/ mounting/ dimensions	Ambient conditions	
• during storage -40 +85 °C Installation/ mounting/ dimensions	ambient temperature	
Installation/ mounting/ dimensions	<ul> <li>during operation</li> </ul>	-35 +70 °C
	during storage	-40 +85 °C
shape of the installation eneming	Installation/ mounting/ dimensions	
snape of the installation opening	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,...)

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=US2:52SA2CABA1P

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=US2:52SA2CABA1P

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

https://support.industry.siemens.com/cs/ww/en/ps/US2:52SA2CABA1P

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:52SA2CABA1P&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:52SA2CABA1P&lang=en</a>

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