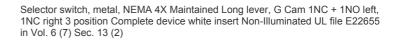
SIEMENS

Data sheet US2:52SW2GABJ2K1





number of command points delivery state as a kit No Actuator material of the actuating element number of contact modules type of unlocking device rotate-to-unlatch mechanism number of switching positions 3 Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring design of the front ring material of the switching positions General technical data product function positive opening product component ight source No insulation voltage rated value insulation voltage rated value operating frequency maximum for the terminal operating frequency maximum for the terminal operating frequency maximum for the Contacts for auxiliary contacts number of NC contacts for auxiliary contacts at 110 V rated value at 120 V rated value at 300 V rated value 30 A	Enclosure	
Actuator material of the actuating element plastic number of contact modules type of unlocking device rotate-to-unlatch mechanism number of switching positions 7 rent ring product component front ring design of the front ring standard material of the front ring black General technical data product function positive opening Yes product component elight source No insulation voltage rated value 600 V protection class IP of the terminal IP20 operating frequency maximum 600 1/h thermal current Auxillary circuit number of NC contacts for auxillary contacts 1 operational current at AC-15 el 110 V rated value 30 A el 4100 V rated value 15 A el 4100 V rated value 12 A Connections/Terminals type of electrical connection screw-type terminals tightening torque (Ibf-in) with screw-type terminals ambient temperature el during operation el uring storage installation/mounting/dimensions	number of command points	1
material of the actuating element number of contact modules 3 type of unlocking device number of switching positions 3 Front ring product component front ring design of the front ring material of the front ring color of the front ring color of the front ring displays the color of the front ring material of the front ring color of the front ring displays the color of the front ring color	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 color of the front ring black Ceneral technical data product function positive opening product component • light source No insulation voltage rated value foot of the terminal perature of the terminal perature of the terminal perature of No contacts IP 1P66 of the terminal perature of No contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current at AC-15 • at 110 V rated value at 200 V rated value at 200 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 500 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 500 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 500 V rated value 15 A • at 500 V rated value 20 N·m tightening torque of the screws in the bracket tightening torque of the screw-type terminals tightening torque of the screw-type terminals tightening torque (librin) with screw-type terminals tightening torque (librin) with screw-type terminals ambient temperature • during operation • during storage 10 - 40 - 45 ° C Installation/mounting/dimensions	Actuator	
type of unlocking device number of switching positions 3 Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring color of the front ring black General technical data product function positive opening Product component slight source Insulation voltage rated value protection class IP of the terminal product function positive opening Profuct component slight source Insulation voltage rated value protection class IP of the terminal IP20 operating frequency maximum frequency maximum frequency maximum frequency for Contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 operational current at AC-15 out 110 V rated value 12 Auxiliary circuit 10 V rated value 13 A Auxiliary circuit 11 Auxiliary circuit 12 Auxiliary circuit 13 A Auxiliary circuit 14 Connections I auxiliary contacts 15 A	material of the actuating element	plastic
number of switching positions Front ring product component front ring	number of contact modules	3
product component front ring Yes design of the front ring standard material of the front ring metal color of the front ring black General technical data product component light source No insulation voltage rated value 600 V protection class IP 600 V protection class IP 1P20 operating frequency maximum 600 1/h thermal current 10 A Auxiliary circuit number of NC contacts for auxiliary contacts 1 coperational current at AC-15 et at 100 V rated value 30 A at 230 V rated value 30 A at 230 V rated value 30 A at 450 V rated value 30 A at 550 V rated value 31 A Auxiliary corque of the screws in the bracket 1 tightening torque (Ibf-in) with screw-type terminals 1 tightening torque (Ibf-in) with screw-type terminals 8 Ibf-in Ambient conditions ambient temperature during operation 9-35 +70 °C during storage 40 +85 °C installation/mounting/dimensions	type of unlocking device	rotate-to-unlatch mechanism
product component front ring	number of switching positions	3
design of the front ring metal metal color of the front ring black General technical data product function positive opening Yes product component light source No	Front ring	
material of the front ring black General technical data product function positive opening Yes product component • light source No insulation voltage rated value 600 V protection class IP IP66 • of the terminal IP20 operating frequency maximum 600 1/h thermal current 10 A Auxiliary circuit 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 15 A • at 500 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 tightening torque (lbf-in] with screw-type terminals ambient temperature • during operation -35 +70 °C eduring storage -40 +85 °C Installation/ mounting/ dimensions	product component front ring	Yes
color of the front ring black General technical data product function positive opening Yes product component ilight source No insulation voltage rated value 600 V protection class IP IP66 of the terminal IP20 operating frequency maximum 600 1/h thermal current 10 A Auxiliary circuit 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 15 A at 400 V rated value 15 A at 400 V rated value 12 A connections/ Terminals type of electrical connection screw-type terminals tightening torque [lbf-in] with screw-type terminals tightening torque [lbf-in] with screw-type terminals ambient temperature during sprage 3 - 40 +85 °C Installation/ mounting/ dimensions	design of the front ring	standard
General technical data product function positive opening product component • light source insulation voltage rated value protection class IP • of the terminal operating frequency maximum thermal current Auxiliary circuit number of NC contacts for auxiliary contacts 1 0 A Auxiliary circuit number of NC contacts for auxiliary contacts 1 0 operational current at AC-15 • at 110 V rated value • at 230 V rated value • at 230 V rated value • at 200 V rated value • at 500 V rated value •	material of the front ring	metal
product component light source No	color of the front ring	black
product component • light source Insulation voltage rated value protection class IP • of the terminal operating frequency maximum food 1/h thermal current 10 A Auxiliary circuit number of NC 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 400 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 tightening torque (Ibf-in) with screw-type terminals tightening torque (Ibf-in) with screw-type terminals ambient temperature • during operation • during storage -40 +85 °C Installation/ mounting/ dimensions	General technical data	
Insulation voltage rated value	product function positive opening	Yes
insulation voltage rated value protection class IP of the terminal operating frequency maximum food 1/h thermal current 10 A Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-15 other at 110 V rated value other at 300 V rated value at 300 V rated value at 500 V rated value type of electrical connections tightening torque [lbFin] with screw-type terminals thermal conditions ambient temperature other at 35 +70 °C during storage Installation/ mounting/ dimensions	product component	
protection class IP of the terminal operating frequency maximum frequency freq	• light source	No
operating frequency maximum 600 1/h thermal current 10 A Auxiliary circuit number of NC contacts for auxiliary contacts 2 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 tightening torque of the screw-type terminals ambient temperature • during operation • during storage Installation/ mounting/ dimensions	insulation voltage rated value	600 V
operating frequency maximum thermal current 10 A Auxiliary circuit number of NC contacts for auxiliary contacts 2 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 • at 500 V rated value 115 A • at 500 V rated value 12 A Connections/ Terminals type of electrical connection tightening torque of the screws in the bracket 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	IP66
thermal current 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 15 A • at 500 V rated value 12 A Connections/ Terminals type of electrical connection tightening torque of the screws in the bracket tightening torque [lbf-in] with screw-type terminals Ambient conditions ambient temperature • during operation • during storage -40 +85 °C Installation/ mounting/ dimensions	of the terminal	IP20
Auxiliary circuit number of NC 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 12 A Connections/ Terminals type of electrical connection tightening torque of the screws in the bracket tightening torque [lbf-in] with screw-type terminals Ambient conditions ambient temperature • during operation • during storage -40 +85 °C Installation/ mounting/ dimensions	operating frequency maximum	600 1/h
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 • at 500 V rated value 12 A Connections/ Terminals type of electrical connection tightening torque of the screws in the bracket 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 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 tightening torque [lbf-in] with screw-type terminals Ambient conditions ambient temperature • during operation • during storage -40 +85 °C Installation/ mounting/ dimensions	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-type terminals tightening torque of the screws in the bracket 20 N·m tightening torque [lbf-in] with screw-type terminals Ambient conditions ambient temperature • during operation • during storage • during storage -40 +85 °C Installation/ mounting/ dimensions	number of NC contacts for auxiliary contacts	2
 at 110 V rated value at 230 V rated value at 400 V rated value at 500 V rated value 2 A Connections/ Terminals type of electrical connection screw-type terminals tightening torque of the screws in the bracket 20 N·m tightening torque [lbf·in] with screw-type terminals 8 lbf·in Ambient conditions ambient temperature during operation -35 +70 °C during storage -40 +85 °C Installation/ mounting/ dimensions	number of NO contacts for auxiliary contacts	1
 at 230 V rated value at 400 V rated value at 500 V rated value 12 A Connections/ Terminals type of electrical connection screw-type terminals tightening torque of the screws in the bracket 20 N·m tightening torque [lbf-in] with screw-type terminals 8 lbf-in Ambient conditions ambient temperature during operation -35 +70 °C during storage -40 +85 °C 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-type terminals tightening torque of the screws in the bracket 10 N·m tightening torque [lbf·in] with screw-type terminals 8 lbf·in Ambient conditions ambient temperature during operation during storage during storage -40 +85 °C Installation/ mounting/ dimensions	 at 110 V rated value 	60 A
● at 500 V rated value Connections/ Terminals type of electrical connection screw-type terminals tightening torque of the screws in the bracket 20 N·m 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	• at 230 V rated value	30 A
type of electrical connection screw-type terminals tightening torque of the screws in the bracket 20 N·m 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	• at 400 V rated value	15 A
type of electrical connection screw-type terminals tightening torque of the screws in the bracket 20 N·m tightening torque [lbf·in] with screw-type terminals Ambient conditions ambient temperature • during operation • during storage -40 +85 °C Installation/ mounting/ dimensions	at 500 V rated value	12 A
tightening torque of the screws in the bracket tightening torque [lbf·in] with screw-type terminals 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-type terminals
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +85 °C Installation/ mounting/ dimensions	tightening torque of the screws in the bracket	20 N·m
ambient temperature • during operation • during storage • during storage -40 +85 °C Installation/ mounting/ dimensions	tightening torque [lbf-in] with screw-type terminals	8 lbf-in
 during operation -35 +70 °C during storage -40 +85 °C Installation/ mounting/ dimensions	Ambient conditions	
• during storage -40 +85 °C Installation/ mounting/ dimensions	ambient temperature	
Installation/ mounting/ dimensions	 during operation 	-35 +70 °C
	during storage	-40 +85 °C
shape of the installation opening round	Installation/ mounting/ dimensions	
· · · · · · · · · · · · · · · · · · ·	shape of the installation opening	round

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=US2:52SW2GABJ2K1

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=US2:52SW2GABJ2K1}}$

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

https://support.industry.siemens.com/cs/ww/en/ps/US2:52SW2GABJ2K1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:52SW2GABJ2K1&lang=en

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