## **SIEMENS**

Data sheet US2:52PX8A8F



30mm BlackMax, Epoxy Coated Corrosion Resistant Complete Metal Unit Pushbutton Non-Illuminated Flush Button Plastic Cap, Orange 2 Position Momentary with 2 N.O. Heavy Duty Contacts, A600/P600 UL Listed, CSA Certified NEMA 1,3,3R,4,4X,12,13 & Automotive Standards

Figure similar

number of command points 1 delivery state as kit No Actuator  design of the actuating element Pushbutton material of the actuating element plastic number of contact modules 2 type of unlocking device without number of switching positions 2 product component front ring Yes design of the front ring metal color of the front ring metal color of the front ring black  General technical data product function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 4 kV protection class IP IP66 * of the terminal IP20 thermal current 10 A operating voltage * at AC at 60 Hz rated value 5 600 V Ausitary circuit number of NO contacts for auxiliary contacts 12 A number of NO contacts for auxiliary contacts 2 operational current at AC-15 * at 110 V rated value 60 A * at 320 V rated value 15 A * at 140 V rated value 15 A * at 400 V rated value 15 A * at 500 V rated value 15 A * at 400 V rated value 15 A * at 500 V rated value 12 A * other with reminals * type of electrical connection 15 tightening torque of the screws in the bracket 15 tightening torque [lpf-in] with screw-type terminals * tightening torque [lpf-in] with screw-type terminals * tightening torque of the screws in the bracket 20 Nrm * ambient tomperature	Enclosure	
Actuator  design of the actuating element Pushbutton material of the actuating element plastic  number of contact modules 2 type of unlocking device without number of switching positions 2  Front ring product component front ring Yes design of the front ring standard metal color of the front ring metal color of the front ring black  General technical data product function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 1P66  • of the terminal 1P20 thermal current 1D A operating voltage • at AC at 60 Hz rated value 5 600 V  **at DC rated value 5 600 V  **at DC rated value 5 600 V  **Auxillary circuit*  number of NO contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 2 operational current at AC-15  **at 110 V rated value 30 A  **at 230 V rated value 15 A  **at 250 V Trated value 12 A  **Connections / Torminals type of electrical connection screen-type terminals tightening torque (of the screen-type terminals ### Ambient conditions	number of command points	1
design of the actuating element plastic purpose of contact modules 2 type of unlocking device without number of switching positions 2 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 function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 4 kV protection class IP 1P66	delivery state as a kit	No
material of the actuating element number of contact modules 2 type of unlocking device number of switching positions 2 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 light source No insulation vortage rated value foot of the terminal protection class IP of the terminal protection class IP of the terminal protection class IP of the terminal protection vortage at AC at 60 Hz rated value foot sufficient number of NC contacts for auxiliary contacts operating vortage of NC contacts for auxiliary contacts operational current at AC-15 out at 230 V rated value for AC out at 200 V rated value for	Actuator	
number of contact modules type of unlocking device number of switching positions 2  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 black  General technical data product tunction positive opening product function positive opening No product component light source No no surger resistance rated value 10 A  Auxillary circuit number of NO contacts for auxillary contacts 10 auting vircuit number of NO contacts for auxillary contacts 10 auting vircuit number of NO contacts for auxillary contacts 10 auting vircuit 10 auting vircuit 10 10 10 10 10 10 10 10 10 10 10 10 10	design of the actuating element	Pushbutton
type of unlocking device without number of switching positions 2  Front ring  product component front ring Yes  design of the front ring standard metal color of the front ring black  General technical data  product function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 4 kV protection class IP IP66  of the terminal IP20  thermal current 10 A Operating voltage at DC rated value 5 600 V	material of the actuating element	plastic
number of switching positions  Front ring  product component front ring	number of contact modules	2
product component front ring yes design of the front ring standard material of the front ring black  General technical data product component light source No Insulation voltage rated value 600 V surge voltage resistance rated value 4 kV protection class IP IP66 IP70 IP70 IP70 IP70 IP70 IP70 IP70 IP70	type of unlocking device	without
design of the front ring standard material of the front ring metal color of the front ring black  General technical data  product function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 4 kV protection class IP IP66 IP20 HO A OPEN A OPE	number of switching positions	2
design of the front ring material of the front ring color of the front ring color of the front ring general technical data product function positive opening product component light source insulation voltage rated value surge voltage resistance rated value foot the terminal product component light source insulation voltage rated value 4 kV protection class IP of the terminal IP20 thermal current 10 A operating voltage at AC at 60 Hz rated value 5 600 V at DC rated value at DC rated value 5 600 V  Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 2 operational current at AC-15 at 110 V rated value at 230 V rated value 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 20 Nem screw-type terminals type of electrical connection tightening torque of the screw-type terminals tightening torque [lbf-in] with screw-type terminals Ambient conditions	Front ring	
material of the front ring black  General technical data  product function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 1P20  e of the terminal 1P20  thermal current 10 A  operating voltage  at AC at 60 Hz rated value 5 600 V  at XIXIIIary circuit number of NC contacts for auxiliary contacts 2  operational current at AC-15  at 110 V rated value 60 A  at 230 V rated value 60 A  at 230 V rated value 30 A  at 400 V rated value 15 A  at 500 V rated value 15 A  at 500 V rated value 20 A  at 230 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 A  at 230 V rated value 15 A  at 500 V rated value 12 A  Connections/ Terminals  type of electrical connection screw-type terminals  tightening torque [libFin] with screw-type terminals  8 libFin  Ambient conditions	product component front ring	Yes
color of the front ring black  General technical data product function positive opening No product component light source No insulation voltage rated value 600 V surge voltage resistance rated value 4 kV protection class IP IP66 • of the terminal IP20 thermal current 10 A operating voltage • at AC at 60 Hz rated value 5 600 V  at DC rated value 5 600 V  Auxiliary circuit number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 2 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 15 A • at 500 V rated value 15 A • at 500 V rated value 12 A  Connections/ Terminals type of electrical connection screw-type terminals tightening torque [libf-in] with screw-type terminals Ambient conditions	design of the front ring	standard
product function positive opening product component light source insulation voltage rated value surge voltage resistance rated value protection class IP of the terminal iP20 thermal current operating voltage at AC at 60 Hz rated value at DC rated value sumber of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts coperational current at AC-15 at 110 V rated value at 230 V rated value at 230 V rated value at 230 V rated value sufficient at 300 V rated value sufficient suffic	material of the front ring	metal
product function positive opening product component light source insulation voltage rated value surge voltage resistance rated value 4 kV protection class IP FORE FORE FORE FORE FORE FORE FORE FORE	color of the front ring	black
product component light source  insulation voltage rated value  surge voltage resistance rated value  4 kV  protection class IP  • of the terminal  thermal current  operating voltage  • at AC at 60 Hz rated value  • at DC rated value  5 600 V  • at DC rated value  5 600 V  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  15 A  • at 500 V rated value  15 A  • at 600 V rated value  15 A  • at 500 V rated value  15 A  • at 500 V rated value  15 A  • at 600 V rated value  15 A  • at 500 V rated value  15 A  • at 500 V rated value  15 A  • at 600 V rated value  15 A  • at 600 V rated value  20 N·m  tightening torque of the screws in the bracket  20 N·m  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	General technical data	
insulation voltage rated value  surge voltage resistance rated value  protection class IP  of the terminal  IP20  thermal current  10 A  operating voltage  o at AC at 60 Hz rated value  5 600 V  at DC rated value  5 600 V  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current at AC-15  o at 110 V rated value  at 230 V rated value  at 400 V rated value  at 500 V rated value  by at 500 V rated value  at 500 V rated value  by at 500 V rated value  at 500 V rated value  at 500 V rated value  by at 500 V rated value  at 500 V rated value  by at 500 V rated value  by at 500 V rated value  connections/ forminals  type of electrical connection  tightening torque of the screws in the bracket  20 N·m  tightening torque [lbf·in] with screw-type terminals  Ambient conditions	product function positive opening	No
surge voltage resistance rated value  protection class IP  of the terminal  IP20  thermal current  10 A  operating voltage  o at AC at 60 Hz rated value  ot DC rated value  10 Contacts for auxiliary contacts  operatinal current at AC-15  operatinal current at AC-15  ot at 110 V rated value  ot at 230 V rated value  ot at 400 V rated value  to at 300 V rated value  substituting to a contact value  substituting torque of the screws in the bracket tightening torque [lbf-in] with screw-type terminals  Ambient conditions	product component light source	No
protection class IP  of the terminal  IP20  thermal current  10 A  operating voltage  ot AC at 60 Hz rated value  ot ADC rated value  5 600 V  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current at AC-15  ot at 110 V rated value  ot at 230 V rated value  ot at 400 V rated value  ot at 400 V rated value  ot at 400 V rated value  ot at 500 V rated value  ot at 500 V rated value  to at 500 V rated value  ot 200 V rated value  ot 500 V rated value  ot 200 V rated value  type of electrical connection  screw-type terminals  type of electrical connection  screw-type terminals  tightening torque of the screws in the bracket  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	insulation voltage rated value	600 V
thermal current  thermal current  operating voltage  • at AC at 60 Hz rated value  • at DC rated value  **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  **Townections/Terminals**  **Townections	surge voltage resistance rated value	4 kV
thermal current  operating voltage  • at AC at 60 Hz rated value  • at DC rated value  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  • 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	protection class IP	IP66
operating voltage  • at AC at 60 Hz rated value  • at DC rated value  5 600 V  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  2 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  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	of the terminal	IP20
at AC at 60 Hz rated value  at DC rated value  5 600 V  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  to at	thermal current	10 A
at DC rated value  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  at 500 V rated value  type of electrical connection  screw-type terminals  tightening torque of the screws in the bracket  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	operating voltage	
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 • at 500 V rated value  12 A  Connections/ Terminals  type of electrical connection sightening torque of the screws in the bracket tightening torque [lbf-in] with screw-type terminals  8 lbf-in  Ambient conditions	<ul> <li>at AC at 60 Hz rated value</li> </ul>	5 600 V
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 screw-type terminals  tightening torque of the screws in the bracket 15 A  screw-type terminals  tightening torque [lbf-in] with screw-type terminals  8 lbf-in  Ambient conditions	at DC rated value	5 600 V
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  screw-type terminals  tightening torque of the screws in the bracket  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	Auxiliary circuit	
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-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	number of NC contacts for auxiliary contacts	0
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 screw-type terminals  tightening torque of the screws in the bracket 20 N·m  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	number of NO contacts for auxiliary contacts	2
at 230 V rated value at 400 V rated value 15 A 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	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  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	• 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  tightening torque [lbf-in] with screw-type terminals  Ambient conditions	<ul> <li>at 230 V rated value</li> </ul>	30 A
type of electrical connection screw-type terminals tightening torque of the screws in the bracket tightening torque [lbf-in] with screw-type terminals Ambient conditions	<ul> <li>at 400 V rated value</li> </ul>	15 A
type of electrical connection screw-type terminals  tightening torque of the screws in the bracket tightening torque [lbf-in] with screw-type terminals  Ambient conditions screw-type terminals 8 lbf-in	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	Connections/ Terminals	
tightening torque [lbf-in] with screw-type terminals  Ambient conditions	type of electrical connection	screw-type terminals
Ambient conditions	tightening torque of the screws in the bracket	20 N·m
	tightening torque [lbf·in] with screw-type terminals	8 lbf·in
ambient temperature	Ambient conditions	
	ambient temperature	

<ul> <li>during operation</li> </ul>	-35 +70 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
Installation/ mounting/ dimensions	
shape of the installation opening	round
mounting height	21 mm
installation width	54 mm
installation depth	35 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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=US2:52PX8A8F}$ 

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=US2:52PX8A8F

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

https://support.industry.siemens.com/cs/ww/en/ps/US2:52PX8A8F

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:52PX8A8F&lang=en

last modified:	6/1/2021
last modified:	6/1/2021