3VA5195-4ED21-1AA0

## **Data sheet**



circuit breaker 3VA5 UL frame 125 breaking capacity class S 25kA @ 480V 2-pole, line protection TM210, FTFM, In=15A overload protection Ir=15A fixed short-circuit protection Ii=20 x In UL 489 SB (naval),  $50^\circ$  C without connection

product designation	Model	
product designation / according to UL file  design of the product  design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)  design of the load switch / according to UL 489 / High-Intensity- Discharge circuit breaker (HID Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the overcurrent release  protection function of the overcurrent release  1	product brand name	SENTRON
design of the product  design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)  design of the load switch / according to UL 489 / High-Intensity- Discharge circuit breaker (HID Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the overcurrent release  protection function of the overcurrent release  poperating voltage / at AC / rated value  power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical  electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at AC-1 / at 690 V  electrical endurance (operating cycles) / at 80 V  electrical endurance (operating cycles) / at 80 V  electrical endurance (operating cycles) / at 800 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without	product designation	Molded-case circuit breaker
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)  design of the load switch / according to UL 489 / High-Intensity-Discharge circuit breaker (HID Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the overcurrent release  protection function of the overcurrent release  number of poles  2  General technical data  operating voltage / at AC / rated value  power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical  electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at AC-1 / at 690 V  electrical endurance (operating cycles) / at 480 V  electrical endurance (operating cycles) / at 600 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without	product designation / according to UL file	SEAM
Conditioning, and Refrigeration circuit breaker (HACR Type) design of the load switch / according to UL 489 / High-Intensity- Discharge circuit breaker (HID Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the overcurrent release protection function of the overcurrent release protection function of the overcurrent release protection function of the overcurrent release LI number of poles 2  General technical data operating voltage / at AC / rated value power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 460 V Product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without	design of the product	System protection
Discharge circuit breaker (HID Type)  design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)  design of the overcurrent release protection function of the overcurrent release protection function of the overcurrent release LI number of poles 2  General technical data  operating voltage / at AC / rated value power loss [W] / maximum 6.5 W  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 600 V product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without		Yes
circuit breaker (SWD Type)  design of the overcurrent release  protection function of the overcurrent release  number of poles  2  General technical data  operating voltage / at AC / rated value  power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical  electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at AC-1 / at 690 V  electrical endurance (operating cycles) / at 480 V  electrical endurance (operating cycles) / at 600 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without		Yes
protection function of the overcurrent release  number of poles  2  General technical data  operating voltage / at AC / rated value  power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical  electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at AC-1 / at 690 V  electrical endurance (operating cycles) / at 480 V  electrical endurance (operating cycles) / at 600 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without		Yes
number of poles  General technical data  operating voltage / at AC / rated value	design of the overcurrent release	TM210
operating voltage / at AC / rated value 415 V  power loss [W] / maximum 6.5 W  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical 20 000  electrical endurance (operating cycles) / at AC-1 / at 380/415 V 8 000  electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000  electrical endurance (operating cycles) / at 480 V 8 000  electrical endurance (operating cycles) / at 600 V 4 000  electrical endurance (operating cycles) / at 600 V No  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version without	protection function of the overcurrent release	LI
operating voltage / at AC / rated value  power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical  electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at AC-1 / at 690 V  electrical endurance (operating cycles) / at 480 V  electrical endurance (operating cycles) / at 600 V  electrical endurance (operating cycles) / at 600 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without	number of poles	2
power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V  electrical endurance (operating cycles) / at AC-1 / at 690 V  electrical endurance (operating cycles) / at 480 V  electrical endurance (operating cycles) / at 600 V  electrical endurance (operating cycles) / at 600 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without	General technical data	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical 20 000  electrical endurance (operating cycles) / at AC-1 / at 380/415 V 8 000  electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000  electrical endurance (operating cycles) / at 480 V 8 000  electrical endurance (operating cycles) / at 600 V 4 000  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version without	operating voltage / at AC / rated value	415 V
operating state / per pole  mechanical service life (operating cycles) / typical 20 000  electrical endurance (operating cycles) / at AC-1 / at 380/415 V 8 000  electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000  electrical endurance (operating cycles) / at 480 V 8 000  electrical endurance (operating cycles) / at 600 V 4 000  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version without	power loss [W] / maximum	6.5 W
electrical endurance (operating cycles) / at AC-1 / at 380/415 V 8 000 electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000 electrical endurance (operating cycles) / at 480 V 8 000 electrical endurance (operating cycles) / at 600 V 4 000 product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without		3.25 W
electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000 electrical endurance (operating cycles) / at 480 V 8 000 electrical endurance (operating cycles) / at 600 V 4 000 product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without	mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at 480 V  electrical endurance (operating cycles) / at 600 V  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version  without	electrical endurance (operating cycles) / at AC-1 / at 380/415 V	8 000
electrical endurance (operating cycles) / at 600 V 4 000  product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version without  product function	electrical endurance (operating cycles) / at AC-1 / at 690 V	4 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof  ground-fault monitoring version without  product function	electrical endurance (operating cycles) / at 480 V	8 000
/ short-circuit and overload proof ground-fault monitoring version without product function	electrical endurance (operating cycles) / at 600 V	4 000
product function		No
	ground-fault monitoring version	without
communication function	product function	
	• communication function	No
• other measurement function No	other measurement function	No
Net Weight 650 g	Net Weight	650 g
Current	Current	
marking / according to UL 489 / 100%-rated breaker No	marking / according to UL 489 / 100%-rated breaker	No
operational current	operational current	
• at 40 °C 15 A	• at 40 °C	15 A
• at 45 °C 15 A	● at 45 °C	15 A
• at 50 °C 14 A	● at 50 °C	14 A
• at 55 °C 14 A	• at 55 °C	14 A
• at 60 °C 14 A	• at 60 °C	14 A
• at 65 °C 14 A	• at 65 °C	14 A
• at 70 °C 14 A	• at 70 °C	14 A

Post switching power values in DC networks, see the 3AA moded case circuit breaking capacity   1	switching capacity class of the circuit breaker	S
current breaking capacity  at 240 V  at 800 V/347 V  by at 800 V/347 V  at 800 V/347 V  diskable parameters  adjustable response value setting current (ir) / of the L-trip / with 12 characteristic  minimum memory minimum	design of short-circuit protection	
• al 480 V   al 480 V   25 kA   25 k	witching capacity according to UL 489	
• st 480 V   distO V/347 V   distO V/347 V   distAR	current breaking capacity	
• al 800 V/347 V	• at 240 V	65 kA
Adjustable parameters  adjustable response value setting current (ir) / of the L-trip / with I I S A	• at 480 V	25 kA
adjustable response value setting current (ir) / of the L-tirp / with 12 characteristic  • minimum • maximum • minimum • during operation / minimum • during storage	● at 600 Y/347 V	14 kA
adjustable response value setting current (Ir) / of the L-trip / with 12 characteristic  • minimum • maximum adjustable response value delay time (Ir) / for L-tripping / with 12 characteristic • minimum • maximum adjustable response value setting current (III) / for L-tripping / with 12 s • minimum • maximum adjustable response value setting current (III) / for I-tripping • minimum • maximum • maximum adjustable setting current (InN) / for N-tripping • minimum • maximum •	djustable parameters	
maximum  adjustable response value delay time (tr) / for L-tripping / with 12t characteristic  minimum maximum 1 s adjustable response value setting current (ii) / for I-tripping minimum maximum 300 A adjustable response value setting current (iii) / for I-tripping minimum maximum 300 A adjustable setting current (inN) / for N-tripping minimum maximum 0 A adjustable setting current (inN) / for N-tripping minimum 0 A adjustable current response value current / of the current-dependent overload release product function / grounding protection No A adjustable current response value current / of the current-dependent overload release product function / grounding protection No A adjustable current response value current / of the current-dependent overload release No adjustable current response value current / of the current-dependent overload release No A adjustable current response value current / of the current-dependent overload release No A adjustable current response value current / of the current-dependent overload release No A adjustable current response value current / of the current-dependent overload release No A adjustable current response value current / of the current-dependent overload release No A adjustable current response value current / of the current-dependent overload release No A adjustable current response value current / of the current-dependent overload value / of the current-dependent overload value / of the current-dependent / of the	adjustable response value setting current (Ir) / of the L-trip / with	
adjustable response value delay time (tr) / for L-tripping / with 12t characteristic   • minimum • maximum 1 s adjustable response value setting current (ii) / for I-tripping • minimum • maximum 300 A adjustable setting current (inN) / for N-tripping • minimum • maximum 0 A adjustable setting current (inN) / for N-tripping • minimum • maximum 0 A adjustable current response value current / of the current-dependent overload release product function / grounding protection No A chanical Design  • voltage trigger • voltager trigger • voltage trigger • voltage trigger • voltage trigger	• minimum	15 A
characteristic  • minimum  • minimum  • maximum  adjustable response value setting current (ii) / for Hripping  • minimum  • during operation / minimum  • during operation / minimum  • during operation / minimum  • during storage /	• maximum	15 A
adjustable response value setting current (ii) / for I-tripping		
adjustable response value setting current (iii) / for I-tripping  in minimum  advantable setting current (InN) / for N-tripping  in minimum  adjustable setting current (InN) / for N-tripping  in minimum  adjustable setting current (InN) / for N-tripping  in minimum  adjustable current response value current / of the current-dependent overload release product function / grounding protection  No  Acchanical Design  Product component  undervoltage release voltage trigger No voltage trigger No voltage trigger	• minimum	1 s
• minimum • maximum • maximum adjustable setting current (InN) / for N-tripping • minimum • maximum adjustable current response value current / of the current- digustable current response value current / of the current- digustable current response value current / of the current- digustable current response value current / of the current- digustable current response value current / of the current- dependent overload release  product function / grounding protection  No  fechanical Design  product component • undervoltage release • voltage trigger • irip indicator • irip indicator • No  height [in] 5.51 in  height • Ith 0 mm  width [in] • 2 in  depth • 76.5 mm  Connections  arrangement of electrical connectors / for main current circuit  without connection  type of electrical connector / for main current circuit  without  without  current circuit  without  without  current circuit  without  c	• maximum	1s
maximum 300 A adjustable setting current (InN) / for N-tripping  minimum 0 A maximum 0 A adjustable current response value current / of the current- dependent overload releases  product function / grounding protection No  Inchanical Design  product component  undervoltage release No voltage trigger No voltage trigger No voltage trigger No height [in] 5.51 in height In] 5.51 in height In] 2 in width 6.50 8 mm depth [in] 3.01 in depth [in] 3.01 in depth [in] 3.01 in depth [in] 4.55 mm  connections  arrangement of electrical connectors / for main current circuit Without connection Vitype of electrical connection / for main current circuit Without connection vitype of electrical connector / for main current circuit Without connection / sprout extension / optional / motor drive No mumber of CO contacts / for auxiliary contacts 0  consecutions  product extension / optional / motor drive No motorions  product extension / optional / motor drive No mumber of CO contacts / for auxiliary contacts 0  consecutions  product extension / optional / motor drive No mumber of CO contacts / for auxiliary contacts 0  consecutions  product extension / optional / motor drive No mumber of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  control of CO contacts / for auxiliary contacts 0  contr	adjustable response value setting current (li) / for I-tripping	
adjustable setting current (InN) / for N-tripping	• minimum	300 A
• minimum • maximum 0 A • maximum 0 A digustable current response value current / of the current- dependent overload release product function / grounding protection    Vechanical Design   Very collage trigger   No   • voltage trigger   No   • voltage trigger   No   • trip indicator   No   height   140 mm   width   50.8 mm   depth   176.5 mm   depth   76.5 mm   depth   19.0 mm   depth   76.5 mm   depth   7	• maximum	300 A
• minimum • maximum 0 A • maximum 0 A digustable current response value current / of the current- dependent overload release product function / grounding protection    Vechanical Design   Very collage trigger   No   • voltage trigger   No   • voltage trigger   No   • trip indicator   No   height   140 mm   width   50.8 mm   depth   176.5 mm   depth   76.5 mm   depth   19.0 mm   depth   76.5 mm   depth   7	adjustable setting current (InN) / for N-tripping	
adjustable current response value current / of the current- dependent overload release product function / grounding protection No  fechanical Design  product component  • undervoltage release • voltage trigger • trip indicator No  height [in] 5.5.1 in  height   140 mm  width [in]   2 in  depth   50.8 mm  depth   76.5 mm  connections  arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit wixiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive eduring operation / maximum • during operation / maximum • during storage / minimum • during certificate of suitability / as approval for NAVAL (no combat  Yes		0 A
adjustable current response value current / of the current- dependent overload release product function / grounding protection No  fechanical Design  product component  • undervoltage release • voltage trigger • trip indicator No  height [in] 5.5.1 in  height   140 mm  width [in]   2 in  depth   50.8 mm  depth   76.5 mm  connections  arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit wixiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive eduring operation / maximum • during operation / maximum • during storage / minimum • during certificate of suitability / as approval for NAVAL (no combat  Yes		
product component  • undervoltage release • voltage trigger • trip indicator  height [in]  height  in]  height  in]  height  in]  belight  in]  in]  in]  in]  in]  in]  in]  in	adjustable current response value current / of the current-	•
product component  • undervoltage release • voltage trigger • trip indicator No height [in] height lin] width [in] you have the formain current circuit type of electrical connection / for main current circuit wultiary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive protection class IP / on the front ambient temperature • during operation / maximum • during storage / minimum • during storage / maximum	product function / grounding protection	No
• undervoltage release • voltage trigger • trip indicator No height [in] 5.51 in height height width [in] 2 in width fin] 2 in width fin] 3.01 in depth [in] 3.01 in depth [in]  depth 76.5 mm  Connections  arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit withilary circuit number of CO contacts / for auxiliary contacts  product extension / optional / motor drive normental conditions  protection class IP / on the front ambient temperature • during operation / maximum • during storage / minimum • during storage / maximum • during storage /	lechanical Design	
voltage trigger	product component	
voltage trigger	•	No
• trip indicator No height [in] 5.51 in height 140 mm width [in] 2 in width 50.8 mm depth [in] 3.01 in depth [in] 76.5 mm connections arrangement of electrical connectors / for main current circuit Without cype of electrical connection / for main current circuit Without  wixiliary circuit number of CO contacts / for auxiliary contacts 0 coccessories product extension / optional / motor drive No invironmental conditions  protection class IP / on the front IP40 ambient temperature	-	No
height [in] 5.51 in height 140 mm  width [in] 2 in  width 650.8 mm  depth [in] 3.01 in  depth 76.5 mm  connections  arrangement of electrical connectors / for main current circuit without connection / type of electrical connection / for main current circuit without wixiliary circuit  number of CO contacts / for auxiliary contacts 0  consections  product extension / optional / motor drive No  invironmental conditions  protection class IP / on the front IP40  ambient temperature		No
height 140 mm  width [in] 2 in  width 50.8 mm  depth [in] 3.01 in  76.5 mm  Connections  arrangement of electrical connectors / for main current circuit without connection  type of electrical connection / for main current circuit without  uxxiliary circuit  number of CO contacts / for auxiliary contacts 0  coessories  product extension / optional / motor drive No  environmental conditions  protection class IP / on the front IP40  ambient temperature  • during operation / minimum • during operation / maximum • during storage / minimum • during storage / minimum • during storage / maximum  80 °C  certificates  certificate of suitability / as approval for NAVAL (no combat Yes		
width [in] 2 in  width 50.8 mm  depth [in] 3.01 in  76.5 mm  Connections  arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Without  Auxiliary circuit  number of CO contacts / for auxiliary contacts 0  Accessories  product extension / optional / motor drive No  environmental conditions  protection class IP / on the front IP40  ambient temperature  • during operation / minimum • during operation / maximum • during storage / minimum • during storage / minimum • during storage / maximum • Sor Contrictes  certificates  certificate of suitability / as approval for NAVAL (no combat  Yes	•	
width 50.8 mm  depth [in] 3.01 in  depth 76.5 mm  connections  arrangement of electrical connectors / for main current circuit Without connection type of electrical connection / for main current circuit Without  uuxiliary circuit  number of CO contacts / for auxiliary contacts 0  ccessories  product extension / optional / motor drive No  invironmental conditions  protection class IP / on the front IP40  ambient temperature  • during operation / minimum -25 °C • during operation / maximum 70 °C • during storage / minimum -40 °C • during storage / maximum 80 °C  certificates  certificate of suitability / as approval for NAVAL (no combat Yes	•	
depth [in] 3.01 in depth 76.5 mm  Connections  arrangement of electrical connectors / for main current circuit Without connection type of electrical connection / for main current circuit Without  uuxiliary circuit  number of CO contacts / for auxiliary contacts  product extension / optional / motor drive  norticonnental conditions  protection class IP / on the front ambient temperature  oduring operation / maximum 70 °C oduring storage / minimum -40 °C oduring storage / maximum 80 °C  certificates  certificates  certificate of suitability / as approval for NAVAL (no combat Yes		
depth 76.5 mm  Connections  arrangement of electrical connectors / for main current circuit Without connection  type of electrical connection / for main current circuit Without  auxiliary circuit  number of CO contacts / for auxiliary contacts 0  accessories  product extension / optional / motor drive No  anxironmental conditions  protection class IP / on the front IP40  ambient temperature  • during operation / maximum -25 °C  • during operation / maximum -40 °C  • during storage / minimum -40 °C  • during storage / maximum -40 °C  certificates  certificates  certificate of suitability / as approval for NAVAL (no combat Yes		
arrangement of electrical connectors / for main current circuit  type of electrical connection / for main current circuit  Auxiliary circuit  number of CO contacts / for auxiliary contacts  product extension / optional / motor drive  No  Environmental conditions  protection class IP / on the front  ambient temperature  o during operation / maximum  during operation / maximum  oduring storage / minimum  during storage / minimum  oduring storage / maximum  oduring storage / maximum  oduring storage / maximum  et al. °C  et during storage / maximum  oduring		
arrangement of electrical connectors / for main current circuit  type of electrical connection / for main current circuit  Without  Withou	·	76.5 mm
type of electrical connection / for main current circuit  Auxiliary circuit  number of CO contacts / for auxiliary contacts  product extension / optional / motor drive  No  Environmental conditions  protection class IP / on the front  ambient temperature  oluring operation / minimum  during operation / maximum  oluring storage / minimum  oluring storage / maximum  oluri		
number of CO contacts / for auxiliary contacts  product extension / optional / motor drive  protection class IP / on the front  ambient temperature  during operation / maximum  during storage / minimum  during storage / maximum  during storage / maximum  eduring storage / maximum  eduring storage / maximum  storage	•	
number of CO contacts / for auxiliary contacts    Coccessories	**	Without
product extension / optional / motor drive  Product extension / optional / motor drive  No  IP40  IP40		
product extension / optional / motor drive  No  Invironmental conditions  protection class IP / on the front ambient temperature  • during operation / minimum -25 °C • during operation / maximum 70 °C • during storage / minimum -40 °C • during storage / maximum 80 °C  Sertificates  certificate of suitability / as approval for NAVAL (no combat Yes	number of CO contacts / for auxiliary contacts	0
protection class IP / on the front IP40  ambient temperature  • during operation / minimum -25 °C  • during operation / maximum 70 °C  • during storage / minimum -40 °C  • during storage / maximum 80 °C  Sertificates  certificate of suitability / as approval for NAVAL (no combat Yes	ccessories	
protection class IP / on the front  ambient temperature  • during operation / minimum  • during operation / maximum  • during storage / minimum  • during storage / maximum  • during storage / maximum  80 °C  Certificates  certificate of suitability / as approval for NAVAL (no combat  Yes	product extension / optional / motor drive	No
ambient temperature  • during operation / minimum  • during operation / maximum  70 °C  • during storage / minimum  • during storage / maximum  80 °C  Certificates  certificate of suitability / as approval for NAVAL (no combat  Yes	nvironmental conditions	
<ul> <li>during operation / minimum</li> <li>during operation / maximum</li> <li>C</li> <li>during storage / minimum</li> <li>during storage / maximum</li> <li>Certificates</li> </ul> Certificate of suitability / as approval for NAVAL (no combat Yes	protection class IP / on the front	IP40
<ul> <li>during operation / minimum</li> <li>during operation / maximum</li> <li>during storage / minimum</li> <li>during storage / maximum</li> <li>Certificates</li> </ul> Certificate of suitability / as approval for NAVAL (no combat Yes	ambient temperature	
• during operation / maximum     • during storage / minimum     • during storage / maximum     • during storage / maximum     80 °C  Certificates  certificate of suitability / as approval for NAVAL (no combat Yes	·	-25 °C
<ul> <li>during storage / minimum</li> <li>during storage / maximum</li> <li>80 °C</li> <li>certificates</li> <li>certificate of suitability / as approval for NAVAL (no combat</li> </ul> Yes		70 °C
during storage / maximum     80 °C  Certificates  certificate of suitability / as approval for NAVAL (no combat  Yes	<b>.</b>	
Certificates  certificate of suitability / as approval for NAVAL (no combat  Yes	<ul> <li>during storage / minimum</li> </ul>	
certificate of suitability / as approval for NAVAL (no combat		
	during storage / maximum	



Confirmation







Miscellaneous

General Product Approval

EMC

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping









Type Test Certificates/Test Report



Marine / Shipping

other









Confirmation

**Miscellaneous** 

other

**Miscellaneous** 

## 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,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA5195-4ED21-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5195-4ED21-1AA0

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

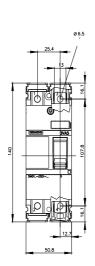
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA5195-4ED21-1AA0

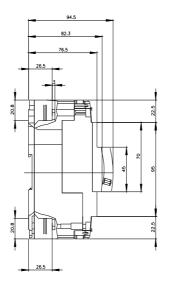
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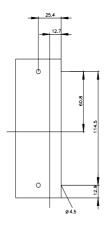
http://www.siemens.com/cax

Tender specifications

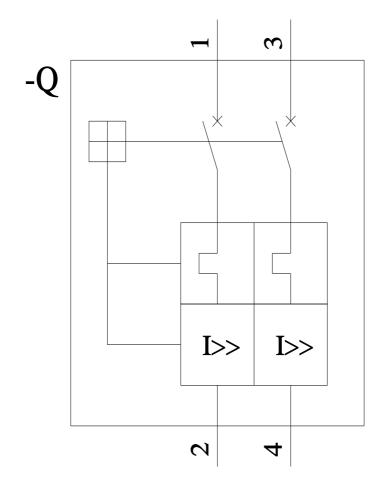
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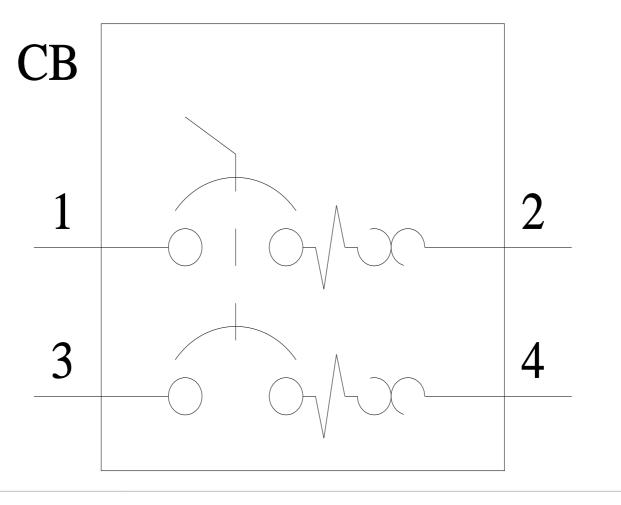












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