3VM1225-4EE32-0AA0

Data sheet



circuit breaker 3VM1 IEC frame 250 breaking capacity class S Icu=36kA @ 415V 3-pole, line protection TM220, ATFM, In=250A overload protection Ir=175A...250A short-circuit protection Ii=10 x In nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	TM220
protection function of the overcurrent release	LI
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / at 50/60 Hz / rated value	500 V
operating voltage / at DC / rated value	500 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	57 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	19 W
mechanical service life (operating cycles) / typical	15 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
 communication function 	No
 other measurement function 	No
Net Weight	1.596 kg
Current	
operational current	
• at 40 °C	250 A
• at 45 °C	250 A
● at 50 °C	250 A
• at 55 °C	243.3 A
• at 60 °C	236.5 A
• at 65 °C	229.8 A
• at 70 °C	223 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	S
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	55 kA
• at 415 V	36 kA
• at 440 V	25 kA
• at 500 V	10 kA
operating short-circuit current breaking capacity (Ics)	

Adjustable parameters product feature / for L-tripping / can be switched on/off adjustable response value setting current (ir) / of the L-trip / with 12t characteristic minimum maximum maxim		
at 460 V short-circuit current making capacity (icm) at 240 V at 415 V at 415 V at 415 V at 440 V 53 kA at 350 V design of short-circuit protection Circuit treaser learnupter product feature / for L-tripping / can be switched ontoff adjustability parameters product feature / for L-tripping / can be switched ontoff adjustability response value setting current (iii) / of the L-trip / with 12t characteristic a mainrum amazimum adjustabile response value delay time (irr) / for L-tripping / with 12t characteristic a minimum amazimum adjustabile response value setting current (iii) / for I-tripping aminimum amazimum adjustabile current response value current (iii) / for I-tripping aminimum amazimum adjustabile current response value current / of instantaneous short-circuit trip unit amazimum adjustabile current response value current / of instantaneous short-circuit trip unit amazimum product function / grounding protection Mechanical Design product component auniferorial projection No Mechanical Design product component auniferorial projection No Mechanical Design product component auniferorial projection No Mechanical Design product component auniferorial projection / No Mechanical Design product component auniferorial projection / No Mechanical Design product function / grounding protection No Mechanical Design product component auniferorial projection / No Mechanical Design product component auniferorial projection / No Mechanical Design product component auniferorial projection / No Mechanical Design product function / grounding protection No Mechanical Design product extension / Gr main current circuit byte of connections Auxiliary circuit number of O contactor / for main current circuit byte of connection / main current circuit byte of connection / for main current circuit byte o	• at 240 V	41 kA
e at 200 V short-circuit current making capacity (tom) at 240 V at 415 V 70 kA	• at 415 V	27 kA
short-circuit current making capacity (tern) al 240 V at 415 V at 440 V at 50 V A so 50 V testign of short-circuit protection Circuit Breaker Manual; link available under Service & Support in the last chapter Adjustable parameters product feature / for L-tripping / can be awtiched onloff adjustable parameters product feature / for L-tripping / can be awtiched onloff adjustable parameters product feature / for L-tripping / can be awtiched onloff adjustable parameters adjustable response value delay time (tr) / for L-tripping / with 12t characteristic minimum maximum maximum adjustable response value setting current (iii) / for I-tripping minimum maximum adjustable response value setting current (iii) / for I-tripping minimum maximum adjustable response value delay time (tr) / for I-tripping minimum maximum adjustable current response value current / of instamaneous short-croult inp unit maximum adjustable current response value current / of instamaneous short-croult inp unit maximum 2 500 A 3 500 A 3 500 A 3 500 A 3 500 A 4 500 A 5 5	• at 440 V	18 kA
e at 240 V e at 445 V e at 440 V 55 kA 76 kA 77 k kA 77 k kA 17 k k design of short-circuit protection For switching capacity values in DC power systems, see the 3VA Molded Cc Circuit Breaker Manual; link available under Service & Support in the last chapter product feature / for L-tripping / can be switched onloff adjustable response value setting current (in/ of the L-trip / with 12t characterists. e minimum maximum maximum maximum 175 A 250 A adjustable response value setting current (iii) / for L-tripping / with 12t characterists. e minimum maximum maximum 1 s maximum 1 s maximum 2 500 A 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	• at 500 V	7 kA
e at 445 V e at 440 V e at 500 V 17 kA 53 kA 77 kA 78 kA 17 kA 68 sign of short-circuit protection Growthing capacity values in DC power systems, see the SVA Moided Cr. Circuit freeker Manual; link available under Service & Support in the last chapter Adjustable parameters product feature / for L-tripping / can be switched onloff adjustable response value setting current (if / of the L-trip / with 12t characteristic e minimum e maximum e maximum e maximum e maximum e maximum e maximum e minimum e maximum e minimum e mi	short-circuit current making capacity (Icm)	
at 440 V design of short-circuit protection For switching capacity values in DC power systems, see the 3VA Molded Ct Circuit Design of short-circuit protection For switching capacity values in DC power systems, see the 3VA Molded Ct Circuit Design of the Long Power Systems of Circuit Design of the Circuit Design of the Long Power Systems of Circuit Design of Circuit Design of the Circuit Design of the Circuit Design of Circuit Design of the Circuit Design of Connections and the Connection Circuit Design of Connections And Systems of Circuit Design of Connections And Systems of Circuit Design of Connections of Circuit Design of Connections and Systems of Circuit Design of Connections of Circuit Design of Connections and Systems of Circuit Design of Connections of Circuit Design of Connections and Systems of Circuit Design of Connections of Circuit Design of Connection	● at 240 V	121 kA
e at 500 V design of short-circuit protection Cross witching capacity values in DC power systems, see the 3VA Molded CC Crust Breaker Manual, link available under Service & Support in the last chapter product feature / for L-thipping / can be switched on/off adjustable response value setting current (II) / of the L-trip / with 12t characteristic e minimum maximum maximum adjustable response value delay time (vr) / for L-tripping / with 12t characterists minimum maximum maximum maximum maximum maximum maximum product function / grounding protection Mechanical Design product function / grounding protection Mechanical Design product function / grounding protection Mechanical Design product component undervoltage release voltage friger night in depth in 195 mm depth in 276 in 435 mm depth in 276 in 700 mm connectable conductor cross-sections / for flat-bar ferrimal connection / for auximum product connectable conductor cross-sections / for flat-bar ferrimal connection / for auximum armagement of electrical connections / for flat-bar ferrimal connection / for auximum available response value contents / for auxiliary contacts Desprice of the connections of the bottom of the switch (N, 2, 4, 6) Available response value setting current (III) / for I-tripping 18	● at 415 V	76 kA
design of short-circuit protection Cror sethching capacity values in DC power systems, see the 3VA Molded Crocraft Breaker Manual; link available under Service & Support in the last chapter Adjustable persponse value setting current (if) of the L-trip / with IZt characteristic minimum maximum maximum 1s maximum 1s maximum 1s maximum 250 A adjustable response value delay time (if) for L-tripping / with IZt characteristic minimum maximum 1s maximum 2500 A 2500 A minimum maximum adjustable setting current (in) for N-tripping minimum maximum adjustable setting current (in N) for N-tripping minimum maximum adjustable setting current (in N) for N-tripping minimum cmaximum adjustable current response value current / of instantaneous short-circuit trip unit maximum 2500 A adjustable current response value current / of instantaneous short-circuit trip unit maximum 2500 A adjustable current response value current / of instantaneous short-circuit rip unit maximum 2500 A adjustable current response value current / of instantaneous short-circuit rip unit maximum 2500 A adjustable current response value current / of instantaneous short-circuit rip unit maximum 2500 A adjustable setting current (in N) for N-tripping minimum 2500 A 300 A 30	● at 440 V	53 kA
Circuit Breaker Manual; link available under Service & Support in the last chapter Adjustable parameters product feature / for L-tripping / can be switched on/off adjustable response value setting current (ir) / of the L-trip / with 12 characteristic	● at 500 V	17 kA
chapter product feature / for L-tripping / can be switched onloff adjustable response value setting current (ir) / of the L-trip / with 12ch aracteristic. minimum 175 A	design of short-circuit protection	For switching capacity values in DC power systems, see the 3VA Molded Case
product feature / for L-tripping / can be switched onloff adjustable response value setting current (ir) / of the L-trip / with 175 A	·	Circuit Breaker Manual; link available under Service & Support in the last
adjustable response value setting current (Ir) / of the L-trip / with Izt characteristic minimum madjustable response value delay time (tr) / for L-tripping / with Izt characteristic minimum madjustable response value setting current (III) / for I-tripping / with Izt characteristic minimum madjustable response value setting current (III) / for I-tripping minimum madjustable response value setting current (III) / for I-tripping minimum madjustable setting current (InN) / for N-tripping minimum madjustable setting current seponse value current / of instantaneous short-circuit trip unit maximum madjustable setting current esponse value current / of instantaneous short-circuit trip unit maximum	Adjustable parameters	
IZ characteristic minimum	product feature / for L-tripping / can be switched on/off	No
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic minimum maximum adjustable response value setting current (lii) / for I-tripping minimum maximum 2500 A 2500 A adjustable setting current (lin) / for I-tripping minimum maximum 0 A maximum 0 A adjustable setting current (lin) / for N-tripping minimum 0 A maximum 0 A adjustable current response value current / of instantaneous short circuit trip unit maximum 2500 A adjustable current response value current / of instantaneous short circuit trip unit maximum 2500 A adjustable current response value current / of instantaneous short circuit trip unit maximum 2500 A A adjustable current response value current / of instantaneous short circuit trip unit maximum 2500 A A A adjustable current response value current / of instantaneous short circuit trip unit maximum 2500 A A A A A A B A B A B B B B		
adjustable response value delay time (tr) / for L-tripping / with 12t characteristic • minimum • maximum adjustable response value setting current (ti) / for I-tripping • minimum • maximum adjustable setting current (lnN) / for N-tripping • minimum • maximum adjustable current response value current / of instantaneous short-circuit trip unit • maximum adjustable current response value current / of instantaneous short-circuit trip unit • maximum product function / grounding protection Mochanical Doslgn product component • underovlatage release • voltage trigger • firp indicator height [in] height 158 mm width 168 mm depth [in] 4.13 in width 105 mm depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum design of the surface / of the connections / on the top of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5)	• minimum	175 A
characteristic • minimum • maximum adjustable response value setting current (li) / for I-tripping • minimum • maximum 2 500 A adjustable setting current (lnN) / for N-tripping • minimum 0 A • maximum 0 A adjustable current response value current / of instantaneous short-directif trip unit • maximum 2 500 A adjustable current response value current / of instantaneous short-directif trip unit • maximum 2 500 A product function / grounding protection No Mechanical Design product component • undervoltage release • voltage trigger • trip indicator • leight [in] 6 .22 in height [in] 4 .13 in width [in] 4 .13 in width 105 mm depth [in] 2 .76 in depth 2 .70 mm Connections arrangement of electrical connectors / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor ross-sections / for flat-bar terminal connection / minimum type of connectable conductor ross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N. 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive No	• maximum	250 A
Maximum adjustable response value setting current (ii) / for I-tripping		
adjustable response value setting current (ii) / for I-tripping • minimum adjustable setting current (inN) / for N-tripping • minimum adjustable setting current (inN) / for N-tripping • minimum • maximum adjustable current response value current / of instantaneous short-circuit trip unit • maximum product function / grounding protection No Mechanical Design product component • undervoltage release • voltage trigger • undervoltage release • voltage trigger No • trip indicator height [in] 6.22 in height [ns] width [ns] width [ns] width [ns] you feet in a current circuit of the connection / for main current circuit of the surface / of her connectors / for flat-bar terminal connector / minimum type of connectable conductor cross-sections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the top of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive No	• minimum	1 s
 minimum maximum adjustable setting current (InN) / for N-tripping minimum maximum adjustable current response value current / of instantaneous short-circuit trip unit maximum maximum maximum momentum momentum momentum product function / grounding protection No Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] 6.22 in height [in] 4.13 in width [in] 4.13 in width [in] 2.76 in depth [in] 2.76 in depth [in] depth [in] depth [in] feletrical connectors / for main current circuit type of electrical connectors / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No 	• maximum	1 s
maximum 2.500 A adjustable setting current (InN) / for N-tripping minimum 0 A maximum 0 A adjustable current response value current / of instantaneous short-circuit trip unit maximum 2.500 A product function / grounding protection No Mechanical Design product component undervoltage release No voltage trigger No voltage trigger No height [in] 6.22 in height 158 mm width (in) 4.13 in width 105 mm depth [in] 2.76 in depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / maximum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts D Accessories product extension / optional / motor drive No O A Accessories To Maximum O A O A O A Accessories To Maximum O A O A Accessories To Maximum O A O A O A O A O A O A O A O	adjustable response value setting current (li) / for I-tripping	
adjustable setting current (InN) / for N-tripping • minimum • maximum adjustable current response value current / of instantaneous short-circuit trip unit • maximum product function / grounding protection Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] height [in] width 158 mm width [in] width 105 mm depth [in] 2 76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connecton / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the bottom of the switch (N, 1, 3, 5) Auxiliary circuit number of CO contacts / for auxiliary contacts DAccessories product extension / optional / motor drive No OA 2 500 A No No No 42500 A No No 105 mm 4250 in 105 mm 105	• minimum	2 500 A
 minimum maximum adjustable current response value current / of instantaneous short-circuit rip unit maximum 2 500 A product function / grounding protection Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] 6.22 in height [in] 4.13 in width [in] width [in] 4.13 in width [in] depth [in] 2.76 in depth [in] depth [in] depth [in] 2.76 in depth [in] depth [in] 2.8 in width [in] depth [in] 2.7 in depth [in] despin of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive 	• maximum	2 500 A
 minimum maximum adjustable current response value current / of instantaneous short-circuit rip unit maximum 2 500 A product function / grounding protection Mo Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] 6:22 in height [in] 4:13 in width 105 mm depth [in] depth [in] 2.76 in depth [in] depth [in] depth [in] 2.76 in depth [in] depth [in] destrict connection [in] type of electrical connectors / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection onnection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive 	adjustable setting current (InN) / for N-tripping	
adjustable current response value current / of instantaneous short-circuit trip unit • maximum product function / grounding protection No Mechanical Design product component • undervoltage release • voltage trigger • trip indicator No height [in] height 158 mm width [in] depth 105 mm depth 105 mm depth 105 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum design of the surface / of the connections / on the bottom of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxillary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive No		0 A
adjustable current response value current / of instantaneous short-circuit trip unit • maximum product function / grounding protection No Mechanical Design product component • undervoltage release • voltage trigger • trip indicator No height [in] height 158 mm width [in] depth 105 mm depth 105 mm depth 105 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum design of the surface / of the connections / on the bottom of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxillary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive No	• maximum	0 A
product function / grounding protection Mechanical Design product component • undervoltage release • voltage trigger • trip indicator height [in] • 6.22 in height initiating initiation in initiating initiation in initiation initiation in initia		
Product component • undervoltage release • voltage trigger • voltage trigger • No height [in] height heig	• maximum	2 500 A
product component • undervoltage release • voltage trigger • voltage trigger • trip indicator No height [in] 6.22 in height width [in] 4.13 in width 105 mm depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the bottom of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Accessories product extension / optional / motor drive No	product function / grounding protection	No
• undervoltage release • voltage trigger • trip indicator No height [in] height [in] height	Mechanical Design	
• voltage trigger • trip indicator height [in] height instance width height	product component	
• trip indicator height [in] height	undervoltage release	No
height [in] 6.22 in height 158 mm width [in] 4.13 in width 105 mm depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No	voltage trigger	No
height 158 mm width [in] 4.13 in width 105 mm depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No	• trip indicator	No
height 158 mm width [in] 4.13 in width 105 mm depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No	height [in]	6.22 in
width [in] width 4.13 in width 105 mm depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive No		158 mm
width 105 mm depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit 5 type of electrical connection / for main current circuit 7 nut keeper kit on both ends 6 type of connectable conductor cross-sections / for flat-bar 5 terminal connection / minimum 7 type of connectable conductor cross-sections / for flat-bar 6 terminal connection / maximum 8 terminal connection / maximum 9 terminal connection / maximum 10 the switch (N, 1, 3, 5) 6 design of the surface / of the connections / on the bottom of the 8 switch (N, 2, 4, 6) 8 Auxiliary circuit 7 number of CO contacts / for auxiliary contacts 8 product extension / optional / motor drive 8 No		
depth [in] 2.76 in depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No		
depth 70 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No		
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts O Accessories product extension / optional / motor drive No		
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit nut keeper kit on both ends type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No	·	
type of electrical connection / for main current circuit type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts O Accessories product extension / optional / motor drive nut keeper kit on both ends 13 x 1 mm 25 x 8 mm Silver Silver Silver		Front connection
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts O Accessories product extension / optional / motor drive 13 x 1 mm 25 x 8 mm Silver Silver Silver Silver No		
terminal connection / minimum type of connectable conductor cross-sections / for flat-bar terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive 25 x 8 mm Silver Silver Silver No	••	
terminal connection / maximum design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Silver Silver Silver No	terminal connection / minimum	
switch (N, 1, 3, 5) design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive No	terminal connection / maximum	
switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No	switch (N, 1, 3, 5)	
number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive No	switch (N, 2, 4, 6)	Silver
Accessories product extension / optional / motor drive No		
product extension / optional / motor drive		0
	Accessories	
Environmental conditions	· · ·	No
	Environmental conditions	
protection class IP / on the front IP40	protection class IP / on the front	IP40
ambient temperature	ambient temperature	
• during operation / minimum -25 °C	during operation / minimum	-25 °C
• during operation / maximum 70 °C		

• during storage / minimum

-40 °C 80 °C

during storage / maximum

Approvals / Certificates

General Product Approval







Confirmation





General Product Approval

Test Certificates

Marine / Shipping

Miscellaneous



Miscellaneous







Marine / Shipping

other

Environment

Miscellaneous

Confirmation

Environmental Confirmations Environmental Confirmations





Further information

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=3VM1225-4EE32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VM1225-4EE32-0AA0

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

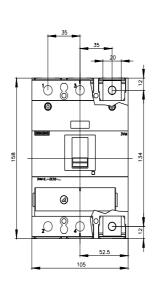
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VM1225-4EE32-0AA0

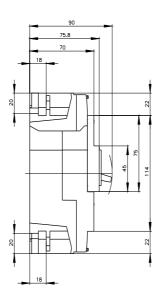
CAx-Online-Generator

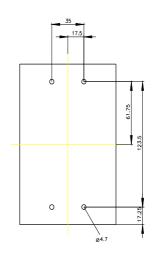
http://www.siemens.com/cax

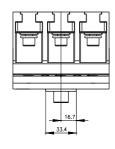
Tender specifications

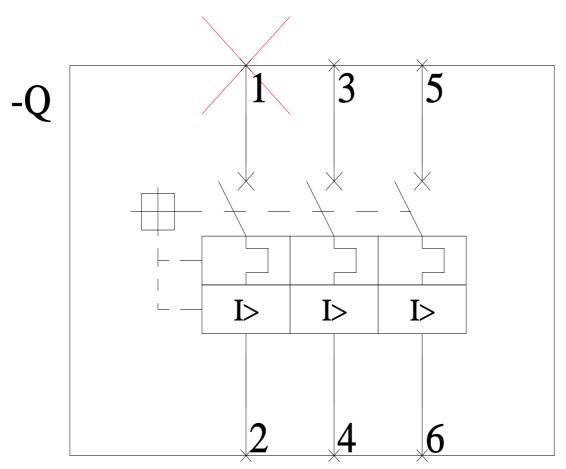
http://www.siemens.com/specifications











last modified: 11/29/2023 🖸

