3WA1240-5AB01-0AA0

Data sheet



Fixed-mounted circuit breaker IEC 60947-2, frame size 2, 3-poles, In=4000A up to 690V AC 50/60Hz, breaking capacity H Icu=100/85kA at 500/690V, Trip unit ETU300 LSI optimized for standard applica- tions, without display Protection LT, ST, INST, N-protection required an external N-sensor, incl. trip alarm switch (1xCO), rear connection vertical, without Com & metering function Manual operating mechanism with mechanical closing, without Spring charging motor, Ready-to-close signal. switch, Auxiliary switches 2NO+2NC, without Closing coil (CC), manual operating mechanism with mechanical closing, without Remote trip alarm reset coil (RR), without 2nd shunt trip, without 1st Shunt trip

Model	Model				
product brand name	SENTRON				
product designation	Air circuit breaker				
suitability for use	circuit breaker				
size of the circuit-breaker	II				
number of poles	3				
position / of neutral conductor	no internal N-conductor				
fastening method	fixed-mounted circuit breakers				
design of the product	AC application				
type of the driving mechanism	manual operating mechanism with mechanical or electrical closing				
design of the electronic trip unit	ETU300 LSI				
Weight	64.5 kg				
Net Weight	51.5 kg				
General technical data					
insulation voltage / rated value	1000 V				
operating voltage / at AC / at 50/60 Hz / rated value	690 V				
power loss [W] / maximum	750 W				
Current					
continuous current / rated value / maximum	4000 A				
continuous current / rated value	4000 A				
operational current					
 at 40 °C / rated value 	4000 A				
• at 45 °C / rated value	4000 A				
• at 50 °C / rated value	4000 A				
• at 55 °C / rated value	4000 A				
• at 60 °C / rated value	4000 A				
• at 65 °C / rated value	4000 A				
• at 70 °C / rated value	4000 A				
Switching capacity and short-time withstand current, according	to IEC 60947-2				
switching capacity class of the circuit breaker	Н				
maximum short-circuit current breaking capacity (lcu)					
• at 500 V / rated value	100 kA				
at 690 V / rated value	85 kA				
operating short-circuit current breaking capacity (lcs)					
at 500 V / rated value	100 kA				
at 690 V / rated value	85 kA				
short-circuit current making capacity (Icm)					
at 500 V / rated value	220 kA				
at 690 V / rated value	187 kA				
short-time withstand current (Icw) / at 500 V AC					

• for 1 a 7 active value • for 2 a 7 rated value • for 3 a 7 rated value • for 3 a 7 rated value • for 2 a 7 rated value • fo	for O.F. a. / anti-al violet	400 1.4
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* (PC 2 s / rated value		
• (or 3 s / rated value		
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product feature / with neutral conductor protection / can be switched on/off setting values setting current (inN) / for N-tripping 1		S
setting values setting current (inN) / for N-tripping 1 reference value setting current (inN) / for N-tripping x In S: delayed short-circuit protection ST product feature / for S-tripping • independent of direction / selectable characteristic function • decoder and infinite adjustability are selectable with eSet values setting current (isd) / for S-tripping / with 10t characteristic set values delay time (tsd) / for S-tripping / with 10t characteristic set values delay time (tsd) / for S-tripping / with 10t characteristic set values delay time (tsd) / for S-tripping / with 10t characteristic S: delayed short-circuit protection ST, settings values 10t set values delay time (tsd) / for S-tripping / with 10t characteristic set values delay time (tsd) / for S-tripping / with 10t characteristic S: delayed short-circuit protection ST, settings values 12t set values delay time (tsd) / for S-tripping / with 12t characteristic S: delayed short-circuit protection ST, settings values 12t set values delay time (tsd) / for S-tripping / with 12t characteristic reference value setting current (isd) / for S-tripping / with 12t characteristic set values delay time (tsd) / for S-tripping / with 12t characteristic reference value setting current (isd) / for S-tripping / with 12t characteristic set values delay time (tsd) / for S-tripping / with 12t characteristic product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eset) set values setting current (ii) / for I-tripping 7	L: Overload protection N-conductor	
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S: delayed short-circuit protection ST product feature / for S-tripping	setting values setting current (InN) / for N-tripping	1
o independent of direction / can be switched on/off of independent of direction / selectable characteristic function of decoder and infinite adjustability are selectable with eSet Sidelayed short-circuit protection ST, settings values I0t set values setting current (Isd) / for S-tripping / with I0t characteristic reference value setting current (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values setting current (Isd) / for S-tripping / with I2t characteristic set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for I-tripping	reference value setting current (InN) / for N-tripping	x ln
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independent of direction / selectable characteristic function decoder and infinite adjustability are selectable with eSet S: delayed short-circuit protection ST, settings values I0t set values setting current (Isd) / for S-tripping / with I0t characteristic reference value setting current (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values setting current (Isd) / for S-tripping / with I0t characteristic set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic o.08;0.15;0.22;0.3;0.4 Product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping • can be switched on/off	product feature / for S-tripping	
function • decoder and infinite adjustability are selectable with eSet S: delayed short-circuit protection ST, settings values I0t set values setting current (Isd) / for S-tripping / with I0t characteristic reference value setting current (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values delay time (Isd) / for S-tripping / with I0t characteristic set values setting current (Isd) / for S-tripping / with I0t characteristic S: delayed short-circuit protection ST, settings values I2t set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for S-tripping / with I2t characteristic set values delay time (Isd) / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping • can be switched on/off • can decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping • can be switched on/off	 independent of direction / can be switched on/off 	Yes
S: delayed short-circuit protection ST, settings values l0t set values setting current (lsd) / for S-tripping / with l0t characteristic reference value setting current (lsd) / for S-tripping / with l0t characteristic set values delay time (lsd) / for S-tripping / with l0t characteristic set values delay time (lsd) / for S-tripping / with l0t characteristic S: delayed short-circuit protection ST, settings values l2t set values setting current (lsd) / for S-tripping / with l2t characteristic reference value setting current (lsd) / for S-tripping / with l2t characteristic reference value setting current (lsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (li) / for I-tripping 1.5;2;3;4;5;6;8;10;12;15 reference value setting current (li) / for I-tripping • can be switched on/off • can be switched on/off		Yes
set values setting current (Isd) / for S-tripping / with I0t characteristic reference value setting current (Isd) / for S-tripping / with I0t characteristic set values delay time (tsd) / for S-tripping / with I0t characteristic reference value delay time (tsd) / for S-tripping / with I0t characteristic S: delayed short-circuit protection ST, settings values I2t set values setting current (Isd) / for S-tripping / with I2t characteristic S: delayed short-circuit protection ST, settings values I2t set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic reference values delay time (tsd) / for S-tripping / with I2t characteristic product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping reference value setting current (Ii) / for I-tripping • can be switched on/off G: ground fault GF product feature / for G-tripping • can be switched on/off • can be switched on/off • selectable characteristic function No	decoder and infinite adjustability are selectable with eSet	No
characteristic reference value setting current (Isd) / for S-tripping / with I0t characteristic set values delay time (tsd) / for S-tripping / with I0t characteristic reference value delay time (tsd) / for S-tripping / with I0t characteristic S: delayed short-circuit protection ST, settings values I2t set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (tsd) / for S-tripping / with I2t characteristic set values delay time (tsd) / for S-tripping / with I2t characteristic product feature / for I-tripping	S: delayed short-circuit protection ST, settings values I0t	
characteristic set values delay time (tsd) / for S-tripping / with I0t characteristic reference value delay time (tsd) / for S-tripping / with I0t characteristic s: delayed short-circuit protection ST, settings values I2t set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (tsd) / for S-tripping / with I2t characteristic set values delay time (tsd) / for S-tripping / with I2t characteristic set values of only implication of the set values on of the set value on of the set values and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping 1.5;2;3;4;5;6;8;10;12;15 reference value setting current (Ii) / for I-tripping 2. In G: ground fault GF product feature / for G-tripping 2. can be switched on/off 3. No	0 () 11 0	1.5;2;2.5;3;4;5;6;8;10
reference value delay time (tsd) / for S-tripping / with l0t characteristic S: delayed short-circuit protection ST, settings values l2t set values setting current (lsd) / for S-tripping / with l2t characteristic reference value setting current (lsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic product feature / for l-tripping		x ir
characteristic S: delayed short-circuit protection ST, settings values l2t set values setting current (lsd) / for S-tripping / with l2t characteristic reference value setting current (lsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic set values delay time (tsd) / for S-tripping / with l2t characteristic product feature / for l-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (li) / for l-tripping 1.5;2;3;4;5;6;8;10;12;15 reference value setting current (li) / for l-tripping x In G: ground fault GF product feature / for G-tripping • can be switched on/off • can be switched on/off • selectable characteristic function No	set values delay time (tsd) / for S-tripping / with I0t characteristic	0.08;0.15;0.22;0.3;0.4
set values setting current (Isd) / for S-tripping / with I2t characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (tsd) / for S-tripping / with I2t characteristic product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping 1.5;2;3;4;5;6;8;10;12;15 reference value setting current (Ii) / for I-tripping G: ground fault GF product feature / for G-tripping • can be switched on/off • can be switched on/off • can be switched on/off • selectable characteristic function No	, , ,	S
characteristic reference value setting current (Isd) / for S-tripping / with I2t characteristic set values delay time (tsd) / for S-tripping / with I2t characteristic product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping 1.5;2;3;4;5;6;8;10;12;15 reference value setting current (Ii) / for I-tripping G: ground fault GF product feature / for G-tripping • can be switched on/off • selectable characteristic function No	S: delayed short-circuit protection ST, settings values I2t	
characteristic set values delay time (tsd) / for S-tripping / with 12t characteristic product feature / for I-tripping • can be switched on/off • decoder and infinite adjustability are selectable (with eSet) set values setting current (Ii) / for I-tripping reference value setting current (Ii) / for I-tripping G: ground fault GF product feature / for G-tripping • can be switched on/off • selectable characteristic function O.08;0.15;0.22;0.3;0.4 No No No No No No No No No N		1.5;2;2.5;3;4;5;6;8;10
product feature / for I-tripping		x lr
 can be switched on/off decoder and infinite adjustability are selectable (with eSet) set values setting current (li) / for l-tripping reference value setting current (li) / for l-tripping ground fault GF product feature / for G-tripping e can be switched on/off selectable characteristic function No 	set values delay time (tsd) / for S-tripping / with I2t characteristic	0.08;0.15;0.22;0.3;0.4
 decoder and infinite adjustability are selectable (with eSet) set values setting current (li) / for l-tripping reference value setting current (li) / for l-tripping x In G: ground fault GF product feature / for G-tripping e can be switched on/off selectable characteristic function No 	product feature / for I-tripping	
eSet) set values setting current (li) / for l-tripping reference value setting current (li) / for l-tripping x In G: ground fault GF product feature / for G-tripping • can be switched on/off • selectable characteristic function No	• can be switched on/off	No
reference value setting current (li) / for l-tripping x In G: ground fault GF product feature / for G-tripping • can be switched on/off No • selectable characteristic function No		No
reference value setting current (li) / for l-tripping x In G: ground fault GF product feature / for G-tripping • can be switched on/off No • selectable characteristic function No	set values setting current (li) / for I-tripping	1.5;2;3;4;5;6;8;10;12;15
product feature / for G-tripping • can be switched on/off • selectable characteristic function No		x ln
 can be switched on/off selectable characteristic function No 	G: ground fault GF	
• selectable characteristic function No	product feature / for G-tripping	
	• can be switched on/off	No
Further protective functions	 selectable characteristic function 	No
	Further protective functions	

Measuring functions measurement function verament measurement ecurrent measurement Yes Communication function No Service Life ************************************	protection function		
measurement function ourrent measurement Ves Communication communication function No Service Life mechanical service life (operating cycles) owith support / typical otto 390 V / without support / typical otto 450 V / with support / typical otto 500 V / with support / typical otto 600 V / with support / typica		Yes	
• current measurement Communication communication communication function Service Life mechanical service life (operating cycles) • without support / typical 20000 • with support / typical 20000 • at 980 V / with out support / typical 20000 • at 980 V / with support / typical 20000 • at 980 V / with support / typical 20000 Dimensions Height 437 mm without 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Abxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NO contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxiliary contacts 2 number of Wo contacts / for auxil	Measuring functions		
Communication function No communication function No Service Life mechanical service life (operating cycles) • without support / typical 20000 • electrical endurance (operating cycles) • at 650 V / without support / typical 20000 • at 650 V / without support / typical 20000 • at 650 V / without support / typical 20000 • at 650 V / without support / typical 20000 Dimonsions Height 437 mm with 4437 mm depth 357 mm Main connection ### Application of the fact a suitainary or a support of the fact a suitainary circuit ### despit 400 vision of the fact a suitainary contacts 2 2 vision of the auxiliary surter of Co contacts / for auxiliary contacts 2 2 vision of NO contacts / for auxiliary contacts 3 2 vision of NO contacts / for auxiliary contacts 4 0 vision of NO contacts / for auxiliary contacts 5 vision of NO contacts / for auxiliary contacts 6 vision of NO contacts / for auxiliary contacts 7 vision of NO contacts / for auxiliary contacts 7 vision of NO contacts / for auxiliary contacts 7 vision of NO contacts / for auxiliary contacts 7 vision of NO contacts / for auxiliary contacts 7 v	measurement function		
Communication function No Service Life mechanical service life (operating cycles) • without support / typical 10000 • with support / typical 20000 • at 690 V / with support / typical 20000 • at 690 V / with support / typical 20000 • at 690 V / with support / typical 20000 height 437 mm width 460 mm depth 357 mm width 460 mm depth 357 mm with support / typical 257 mm with support / typical	current measurement	Yes	
Service Life mechanical service life (operating cycles) • without support / typical 20000 electrical endurance (operating cycles) • at 680 V / withou support / typical 20000 electrical endurance (operating cycles) • at 680 V / with support / typical 20000 Dimensions Height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2 NO + 2 NO number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 • voltage trigger No • voltage trigger No • voltage release No • voltage trigger No • motor drive No motor drive No embored for CO • motor drive No Environmental conditions protection class IP / on the front P20 ambient temperature / during operation • minimum 40 °C • maximum 60 °C • according to IEC 81346-2 °C Q	Communication		
mechanical service life (operating cycles) • without support / typical 10000 • with support / typical 20000 electrical endurance (operating cycles) • at 690 V / without support / typical 20000 • at 690 V / with support / typical 20000 Dimensions height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit 4000 mm Auxillary circuit 4000 mm design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 0 Internal accessories product component 4 • undervoltage release No • voltage trigger No • voltage trigger No • roth or drive No motor drive No environmental conditions protection class IP / on the front IP20 ambient temperature / during operation	communication function	No	
without support / typical 20000 with support / typical 20000 electrical endurance (operating cycles) arrangement of electrical connectors / for main current circuit electrical endurance (operating cycles) arrangement of electrical endurance (operating cycles) arrangement of electrical endurance (operating cycles) arrangement of electrical endurance (operating cycles) electrical endurance (operating cycles) endurance of NO contacts / for auxiliary contacts enumber of NO contacts / for auxiliary contacts enumber of NO contacts / for auxiliary contacts enumber of CO contacts / for	Service Life		
e with support / typical electrical endurance (operating cycles)	mechanical service life (operating cycles)		
electrical endurance (operating cycles) • at 690 V / without support / typical 20000 Dimensions height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 1 • undervoltage release No • voltage trigger No • trip indicator Yes • motor drive No • motor drive No protection class IP / on the front IP20 ambient temperature / during operation • minimum 40 °C • maximum 70 °C e maximum 80 °C Cortificates Feference code • according to IEC 81346-2 Q	 without support / typical 	10000	
at 690 V / without support / typical 20000 be at 690 V / with support / typical 20000 Dimonstors height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 0 internal accessories product component • undervoltage release No • voltage trigger No • trip indicator Yes • motor drive No Environmental Conditions protection class IP / on the front P20 ambient temperature / during operation • minimum 40 °C • maximum 70 °C ambient temperature / during storage • minimum 40 °C • maximum 80 °C certificates reference code • according to IEC 81346-2 Q	with support / typical	20000	
e at 690 V / with support / typical 20000 Dimensions height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 0 Internal accessories product component • undervoltage release No • voltage trigger No • trip indicator Yes • motor drive No Environmental conditions protection class IP / on the front IP20 ambient temperature / during operation • minimum 40 °C • maximum 70 °C ambient temperature / during storage • minimum 40 °C • maximum 60 °C • maximum 60 °C • maximum 60 °C • maximum 70 °C efference code • according to IEC 81346-2	electrical endurance (operating cycles)		
Dimensions height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2NO + 2NC number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 Internal accessories product component	• at 690 V / without support / typical	2000	
height 437 mm width 460 mm depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 Internal accessories product component	• at 690 V / with support / typical	20000	
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depth 357 mm Main connection arrangement of electrical connectors / for main current circuit main connection on the rear, vertical Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 0 Internal accessories product component • undervoltage release No • voltage trigger No • motor drive No emotor drive No emotor drive No eminimum 40 °C °C eminimum 40 °C °C eminimum 40 °C	height	437 mm	
Main connection arrangement of electrical connectors / for main current circuit Auxiliary circuit design of the auxiliary switch number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 Internal accessories product component • undervoltage release • voltage trigger • motor drive Environmental conditions protection class IP / on the front • minimum • maximum • maximum • maximum • maximum • maximum • maximum • maximum • maximum • maximum • maximum • emaximum • maximum • conditions reference code • according to IEC 81346-2 Q	width	460 mm	
arrangement of electrical connectors / for main current circuit Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 Internal accessories product component	depth	357 mm	
Auxiliary circuit design of the auxiliary switch 2 NO + 2 NC number of NC contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 Internal accessories product component • undervoltage release No • voltage trigger No • motor drive No Environmental conditions protection class IP / on the front IP20 ambient temperature / during operation • minimum -40 °C • maximum -40 °C ambient temperature / during storage • minimum -40 °C • maximum -40 °C certificates reference code • according to IEC 81346-2 Q	Main connection		
design of the auxiliary switch number of NC contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts number of CO contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts	arrangement of electrical connectors / for main current circuit	main connection on the rear, vertical	
number of NC contacts / for auxiliary contacts 2 number of NO contacts / for auxiliary contacts 2 number of CO contacts / for auxiliary contacts 0 Internal accessories product component	Auxiliary circuit		
number of NC contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts number of CO contacts / for auxiliary contacts number of CO contacts / for auxiliary contacts product component undervoltage release voltage trigger voltage trigger not or drive notor drive No environmental conditions protection class IP / on the front minimum minimum maximum notice maximum notice maximum and and and and and and and an	design of the auxiliary switch	2 NO + 2 NC	
number of CO contacts / for auxiliary contacts Internal accessories product component • undervoltage release • voltage trigger • trip indicator • motor drive Environmental conditions protection class IP / on the front • minimum • minimum • maximum -40 °C • maximum -40 °C • maximum -40 °C - maximum -40 °C -40 °		2	
Internal accessories product component • undervoltage release • voltage trigger • trip indicator • motor drive Environmental conditions protection class IP / on the front • minimum • minimum • maximum -40 °C • maximum -40 °C ambient temperature / during storage • minimum • minimum • 40 °C ambient temperature / during storage • minimum • maximum -40 °C -4	number of NO contacts / for auxiliary contacts	2	
product component • undervoltage release • voltage trigger • trip indicator • motor drive Environmental conditions protection class IP / on the front • minimum • minimum • maximum To °C ambient temperature / during storage • minimum • maximum To °C ambient temperature / during storage • minimum • and °C • maximum • ma	number of CO contacts / for auxiliary contacts	0	
 undervoltage release voltage trigger trip indicator motor drive No Environmental conditions protection class IP / on the front ambient temperature / during operation minimum maximum maximum minimum maximum maximum according to IEC 81346-2 Q	Internal accessories		
• voltage trigger • trip indicator • trip indicator • motor drive No Environmental conditions protection class IP / on the front ambient temperature / during operation • minimum • maximum 70 °C ambient temperature / during storage • minimum • maximum 70 °C Certificates reference code • according to IEC 81346-2 Q	product component		
• voltage trigger • trip indicator • trip indicator • motor drive No Environmental conditions protection class IP / on the front ambient temperature / during operation • minimum • maximum 70 °C ambient temperature / during storage • minimum • maximum 70 °C Certificates reference code • according to IEC 81346-2 Q	undervoltage release	No	
• trip indicator		No	
protection class IP / on the front IP20 ambient temperature / during operation • minimum • maximum 70 °C ambient temperature / during storage • minimum • minimum • au °C ambient temperature / during storage • minimum • maximum 80 °C Certificates reference code • according to IEC 81346-2 Q		Yes	
protection class IP / on the front ambient temperature / during operation	motor drive	No	
ambient temperature / during operation in minimum in maximum in maximum in minimum in minimum in maximum in	Environmental conditions		
 minimum maximum 70 °C ambient temperature / during storage minimum 40 °C maximum 80 °C Certificates reference code according to IEC 81346-2 Q 		IP20	
 minimum maximum 70 °C ambient temperature / during storage minimum 40 °C maximum 80 °C Certificates reference code according to IEC 81346-2 Q 	·		
ambient temperature / during storage • minimum • maximum 80 °C Certificates reference code • according to IEC 81346-2 Q		-40 °C	
 minimum maximum 80 °C Certificates reference code according to IEC 81346-2 Q 	• maximum	70 °C	
 minimum maximum 80 °C Certificates reference code according to IEC 81346-2 Q 	ambient temperature / during storage		
maximum 80 °C Certificates reference code according to IEC 81346-2 Q		-40 °C	
Certificates reference code ● according to IEC 81346-2 Q			
• according to IEC 81346-2 Q	Certificates		
• according to IEC 81346-2 Q			
		Q	
			EMV



Confirmation









Radio Equipment Type Approval Certi- ficate Test Cer	tificates	Marine / Shipping
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Miscellaneous

Miscellaneous

Special Test Certificate







other Dangerous goods Environment







Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WA1240-5AB01-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3WA1240-5AB01-0AA0

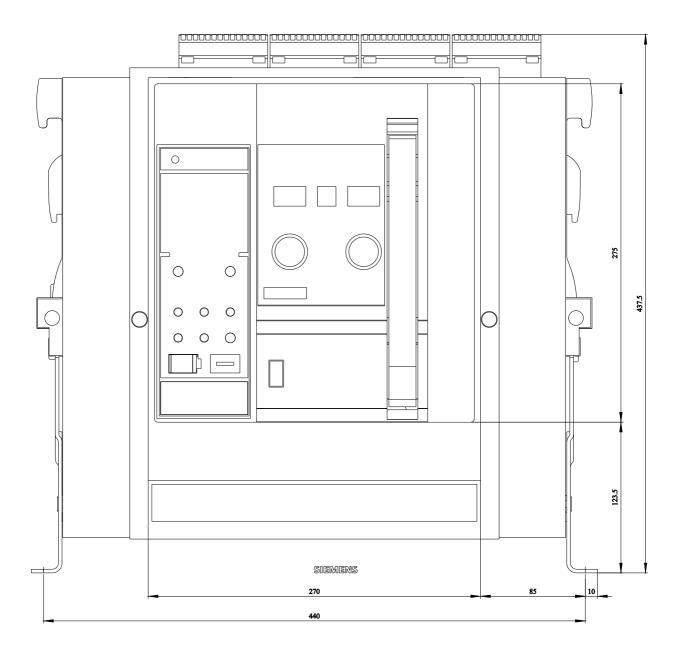
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1240-5AB01-0AA0

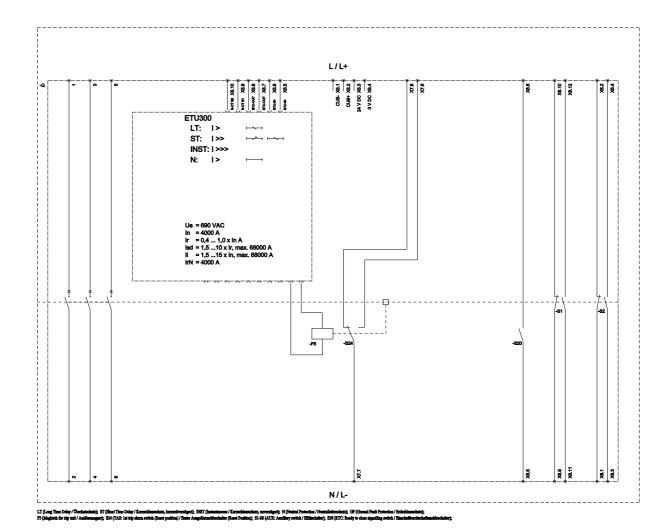
CAx-Online-Generator

http://www.siemens.com/cax

Information- and Downloadcenter (catalogues, leaflets,...)

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10/25/2023

last modified: