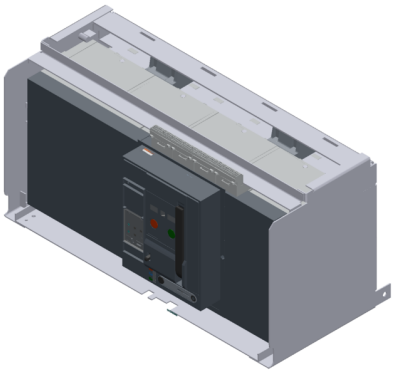
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Data sheet 3WA1350-5AB72-8EA4



withdrawable circuit breaker, with guide frame, IEC 60947-2, size 3, 4-pole, N pole on left, In=5000 A up to 690 V AC 50/60 Hz, breaking capacity H Icu=100/85 kA at 500/690 V, ETU300 LSI electronic trip unit optimized for standard applications, without display, basic protection LT, ST, INST, including protection of the N conductor (internal neutral point sensor available), trip alarm switch (1x CO), connection at rear horizontal guide frame with shutter and position signaling switch, without Com & metering function with manual and motorized operating mechanism (M) 208-240 V AC / 220-250 V DC, Storage status and ready-to- close signaling switches, Auxiliary switches 4NO+4NC, Closing coil (CC) 100% OP 208-240 V AC / 220-250 V DC, applicable for continuous duty, without Remote trip alarm reset coil (RR), without 2nd shunt trip, Shunt trip (ST) 100% OP 208-240 V AC / 220-250 V DC, suitable for continuous duty,

Model	
product brand name	SENTRON
product designation	Air circuit breaker
suitability for use	circuit breaker
size of the circuit-breaker	III
number of poles	4
position / of neutral conductor	neutral left
fastening method	withdrawable circuit breaker
design of the product	AC application
type of the driving mechanism	manual operating mechanism/spring charging motor with spring charge signaling switch
design of the electronic trip unit	ETU300 LSI
Weight	214.957 kg
Net Weight	197.957 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	1050 W
Current	
continuous current / rated value / maximum	5000 A
continuous current / rated value	5000 A
operational current	
• at 40 °C / rated value	5000 A
• at 45 °C / rated value	5000 A
• at 50 °C / rated value	5000 A
• at 55 °C / rated value	5000 A
• at 60 °C / rated value	5000 A
• at 65 °C / rated value	5000 A
• at 70 °C / rated value	5000 A
Switching capacity and short-time withstand current, according to IEC 60947-2	
switching capacity class of the circuit breaker	H
maximum short-circuit current breaking capacity (Icu)	
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
operating short-circuit current breaking capacity (Ics)	
• at 500 V / rated value	100 kA

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● 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 0.5 s / rated value	100 kA
● for 1 s / rated value	100 kA
● for 2 s / rated value	100 kA
● for 3 s / rated value	100 kA
short-time withstand current (Icw) / at 690 V AC	
● for 0.5 s / rated value	85 kA
● for 1 s / rated value	85 kA
● for 2 s / rated value	85 kA
● for 3 s / rated value	85 kA
Electronic release unit	
product feature	
● upgradable	No
● Bluetooth and USB interface	No
● decoder for basic protection functions	Yes
● display and function keys	No
● SENTRON powerconfig configuration software	No
Basic protection functions	
product feature / for L-tripping	
● can be switched on/off	No
● selectable characteristic function	No
● decoder and infinite adjustability are selectable with eSet	No
set values setting current (Ir) / for L-tripping / with I2t characteristic	0.4;0.5;0.6;0.7;0.75;0.8;0.85;0.9;0.95;1
reference value setting current (Ir) / for L-tripping / with I2t characteristic	x In
set values delay time (tr) / for L-tripping / with I2t characteristic	0.75;1;2;5;8;10;14;17;21;25
reference value delay time (tr) / for L-tripping / with I2t characteristic	s
L: Overload protection N-conductor	
product feature / with neutral conductor protection / can be switched on/off	No
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 / can be switched on/off	Yes
● independent of direction / selectable characteristic function	Yes
● decoder and infinite adjustability are selectable with eSet	No
S: delayed short-circuit protection ST, settings values I0t	
set values setting current (Isd) / for S-tripping / with I0t characteristic	1.5;2;2.5;3;4;5;6;8;10
reference value setting current (Isd) / for S-tripping / with I0t characteristic	x Ir
set values delay time (tsd) / for S-tripping / with I0t characteristic	0.08;0.15;0.22;0.3;0.4
reference value delay time (tsd) / for S-tripping / with I0t characteristic	s
S: delayed short-circuit protection ST, settings values I2t	
set values setting current (Isd) / for S-tripping / with I2t characteristic	1.5;2;2.5;3;4;5;6;8;10
reference value setting current (Isd) / for S-tripping / with I2t characteristic	x Ir
set values delay time (tsd) / for S-tripping / with I2t characteristic	0.08;0.15;0.22;0.3;0.4
product feature / for I-tripping	
● can be switched on/off	No
● decoder and infinite adjustability are selectable (with eSet)	No

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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	x In
G: ground fault GF	
product feature / for G-tripping	
● selectable characteristic function	No
Further protective functions	
protection function	
● maintenance mode DAS+	Yes
Measuring functions	
measurement function	
● current measurement	Yes
Communication	
communication function	No
Service Life	
mechanical service life (operating cycles)	
● without support / typical	7500
● with support / typical	15000
electrical endurance (operating cycles)	
● at 690 V / without support / typical	2000
● at 690 V / with support / typical	15000
Dimensions	
height	468 mm
width	914 mm
depth	471 mm
Main connection	
arrangement of electrical connectors / for main current circuit	main connection on the rear, horizontal
Auxiliary circuit	
design of the auxiliary switch	4 NO + 4 NC
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
number of CO contacts / for auxiliary contacts	0
Internal accessories	
product component	
● undervoltage release	No
● voltage trigger	Yes
● trip indicator	Yes
● motor drive	Yes
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	80 °C
Certificates	
reference code / according to IEC 81346-2	Q

Approvals / Certificates

Environment	General Product Approval

General Product Approval	EMV	Radio Equipment Type Approval Certificate

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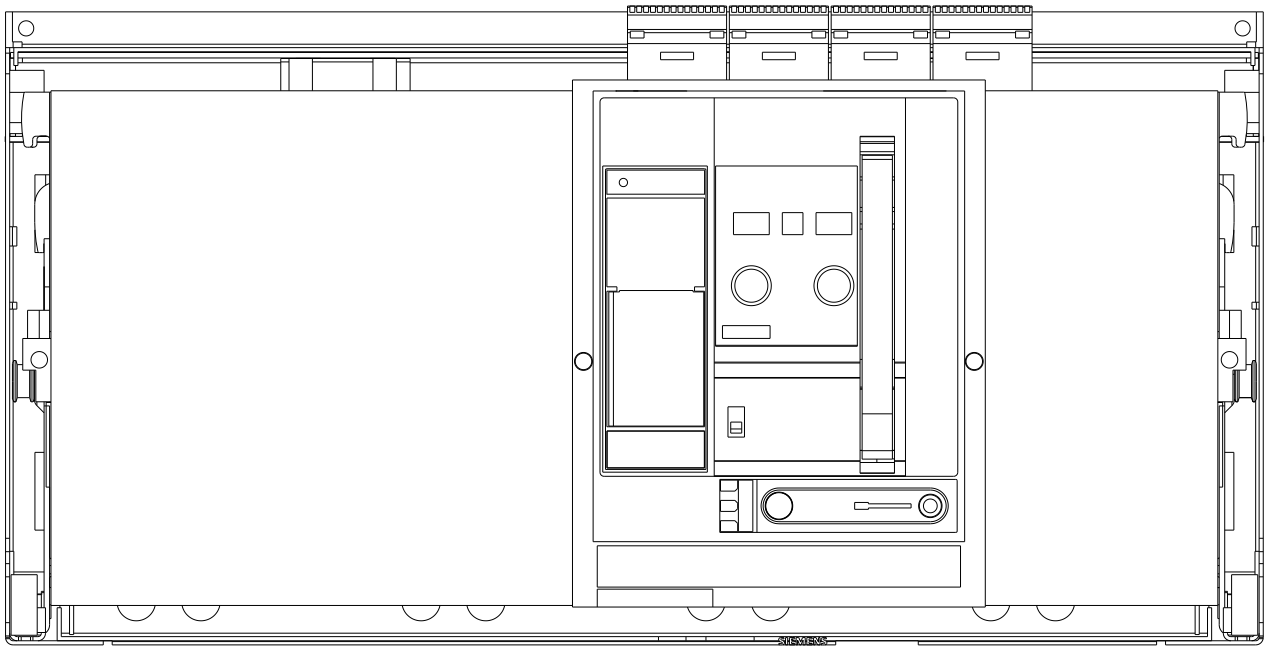
TUEV | Confirmation | Miscellaneous

Test Certificates		Maritime application			
Miscellaneous	Special Test Certificate	ABS	BUREAU VERITAS	LRS	CCS (China Classification Society)

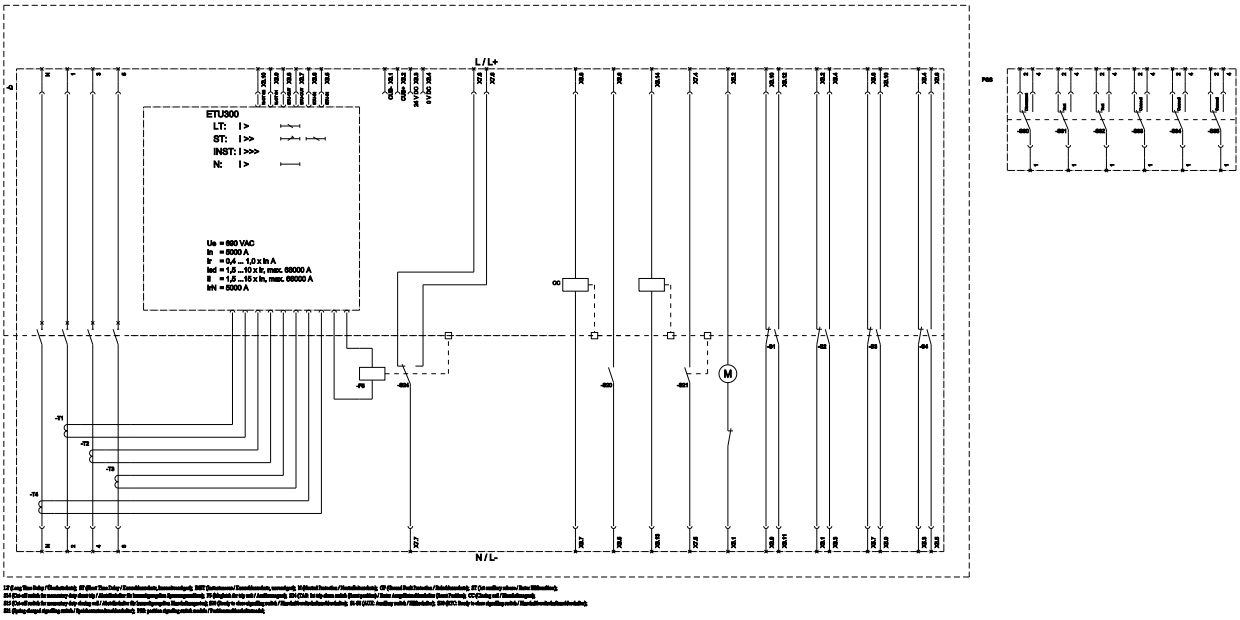
other					Dangerous goods
Miscellaneous	Miscellaneous	Confirmation	产品合格 QC PASS	Manufacturer Declaration	Transport Information

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (catalogues, leaflets,...)
https://www.siemens.com/energy-automation
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WA1350-5AB72-8EA4
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WA1350-5AB72-8EA4
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1350-5AB72-8EA4
CAx-Online-Generator
https://www.siemens.com/cax
Kennlinien
https://curves.simaris.siemens.com/curves/3WA1350-5AB72-8EA4



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