

Typprüfbescheinigung / Type Test Certificate

Erzeugnis: Product:	ET 200pro Motor Starter, Repair Switch Module (RSM, F-RSM), Shut Down Module (ASM) and Accessories		
Typenbezeichnung: Type designation:	3RK1304, 3RK19	Hersteller: Manufacturer:	Siemens AG, SI EP EMS
Ort, Datum: Place, Date:	Amberg, 2023-01-19	Ersteller: Originator:	Kiefl / SI EP EMS R&D TC 3 1
Art der Prüfung: Kind of test:	Type Test acc. product standard	Verantwortliches Labor: Responsible Laboratory:	Type Test Center Siemens AG, Amberg DAkS accredited Testing Laboratory *
Angewandte Prüfbestimmungen / Test specifications applied:		Durchgeführte Prüfungen / Tests conducted:	
IEC 60947-4-1:2018-10		Test Sequences I, III, V, EMC-Tests	
IEC 60947-5-1:2016-05		Test Sequences Annex H, EMC-Tests	

Prüfergebnis / Test result:

All requirements of the test specification are met.

Änderungsdokumentation / Change documentation:

Index 00 2023-01-19 first release

Bemerkungen / Remarks:

2023-01-19 This type test certificate replaces type test certificates 2910a and 2843a, Standard update testing

Anlagen:
Enclosures: -

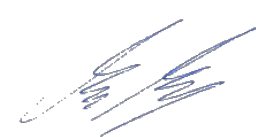
* Type Test Center Siemens AG Amberg, Reg.-Nr.: PL-11055-04-00, DAkS accredited Testing Laboratory acc. ISO/IEC 17025

*Electronically signed
by: Walter Bogner
Date: Feb 28, 2023
11:35 GMT+1*

Walter Bogner

i.V.
SI EP EMS R&D TC 3 Mr. Bogner

*Electronically signed
by: Markus Meier
Date: Feb 28, 2023
09:56 GMT+1*



i.V.
SI EP EMS R&D CD Mr. Meier

SIEMENS AG **Smart Infrastructure**

Matthias Rebellius, CEO

Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Jim Hagemann Shabe;
 Managing Board: Roland Busch, Chairman, President and Chief Executive Officer; Cedrik Neike, Matthias Rebellius, Ralf P. Thomas, Judith Wiese; Registered offices:
 Berlin and Munich, Germany; Commercial registries: Berlin-Charlottenburg, HRB 12300, Munich, HRB 6684; WEEE-Reg.-No. DE 23691322

Product Description

General

Product:	ET 200pro Motor Starter ET 200pro Repair Switch Module (RSM, F-RSM) ET 200pro Shut Down Module (ASM) Accessories
Type designation:	3RK1304, 3RK19
Manufacturer:	Siemens AG, SI EP EMS 92220 Amberg, Werner-von-Siemens-Str. 48, Germany
Production site:	Siemens AG, SI EP EMS 92220 Amberg, Werner-von-Siemens-Str. 48, Germany

Product Description

Nomenclature breakdown

3RK1304 - **5** **K** **S** **4** **0** - **2** **AA** **0**
 I II III IV V VI VII VIII IX

- I. Basic Type 3RK1304, Motor starter
3RK1304 - ET 200pro Motor Starter
- II. Motor protection
5 - electronic
- III. Setting range
K - 0,15 – 2 A
L - 1,5 – 12 A
- IV. Type of enclosure, degree of protection
S - IP65
- V. Type of function
4 - Electromechanical starter
- VI. Version
0 - ET 200pro Motor starter
- VII. Mode of operation
-2 - Direct starter, high feature
-3 - Reversing starter, high feature
-4 - Direct starter, standard
-5 - Reversing starter, standard
- VIII. Model
AA - Standard model
- IX. Brake output
0 - without brake output
3 - with brake output 400VAC / 0,5A, semiconductor switch

3RK1304-0HS00-6AA0 - ET 200pro Repair switch module (RSM)

3RK1304-0HS00-7AA0 - ET 200pro Local Safety Repair switch module (F-RSM)

3RK1304-0HS00-8AA0 - ET 200pro Shut Down Module (ASM)

Product Description

Nomenclature breakdown / Accessories

3RK1901-1KA00	M12 sealing caps
3RK1902-0C...	Motor connection plugs (HAN Q8/0), Sealing caps
3RK1911-0DB..	Power connecting cables, assembled at one end (HAN Q4/2)
3RK1911-0DF..	Power connecting cables for isolator module, assembled at one end (HAN Q4/2)
3RK1911-0E...	Motor cables, assembled at one end (HAN Q8/0)
3RK1911-2BE..	Power connection plugs (HAN Q4/2)
3RK1911-2BF..	Power loop-through plugs (HAN Q4/2), Power T terminal connectors
3RK1911-2BG..	Power double-T terminal connectors
3RK1911-2BL..	Motor plugs with EMC suppressor circuit (HAN 10e)
3RK1911-2BM..	Motor plugs (HAN 10e)
3RK1911-2BS..	Power feeder plugs (HAN Q4/2)
3RK1911-5BA..	Sealing set (comprising 2 seals)
3RK1911-6E.00	Motor suppression module
3RK1922-2BA..	Backplane bus modules 110 mm
3RK1922-3BA00	Handheld device
3RK1922-2BQ00	Power jumper plugs
3RK1922-2BP00	RS 232 interface cable

Product Description

Technical Data

General product information:	
- kind of equipment	motor-starter
- number of poles	3
- kind of current (a.c. or d.c.)	AC
- interrupting medium	Air
- method of operation	electromagnetic
- method of control	manual/automatic
- method of change-over for particular types of starters	N/A
- method of connecting for particular types of starters	N/A
- rated frequency	50/60 Hz
- rated duties	Uninterrupted duty
- Utilization category	AC3, AC3e
- Degrees of protection of enclosed equipment	IP65
Rated and limiting values, main circuit	
Rated voltages	
- rated operational voltage U_e (V)	400V for main circuit 24V for control circuit
- rated insulation voltage U_i (V)	400V for main circuit 24V for control circuit
- rated impulse withstand voltage U_{imp} (kV)	6kV
Currents or powers	
- conventional free air thermal current I_{th} (A)	max. 12A
- conventional enclosed thermal current I_{the} (A)	N/A
- rated operational current I_e (A) or rated operational powers:	N/A
- rated uninterrupted current I_u (A)	N/A
Rated conditional short-circuit current	
- rated prospective short-circuit current "r" (kA)	3kA
- rated conditional short-circuit current I_q (kA)	50kA/100kA
- type of co-ordination	1
- rated ultimate short-circuit breaking capacity of a MPSD I_{cu} (kA)	N/A
- rated service short-circuit breaking capacity of a MPSD I_{cs} (kA)	N/A
- Pole impedance of a contactor (Z)	N/A

Product Description

Auxiliary circuits:	
- rated operational voltage Ue (V)	: 400V
- rated insulation voltage: Ui (V)	: 400V
- kind of current	: AC, DC
- rated frequency: (Hz)	: 50/60 Hz
- number of circuits	: 1
- number and kind of contact elements	: semiconductor
Relays and releases	
Rated and limiting values of relays and releases	
- types of relay or release	<input type="checkbox"/> a) release with shunt coil (shunt trip) <input type="checkbox"/> b) under voltage and under-current opening relay or release <input checked="" type="checkbox"/> c) overload time-delay relay the time-lag of which is: <input type="checkbox"/> 1) substantially independent of previous load (e.g. time-delay magnetic overload relay) <input type="checkbox"/> 2) dependent on previous load (e.g. thermal or electronic overload relay) <input checked="" type="checkbox"/> 3) dependent on previous load (e.g. thermal or electronic overload relay) and also sensitive to phase loss <input type="checkbox"/> d) instantaneous overload relay or release <input type="checkbox"/> e) instantaneous short-circuit relays or releases. <input type="checkbox"/> f) Stall relay or release <input type="checkbox"/> g) other relays or releases (e.g., control relay associated with devices for the thermal protection of the motor)

Product Description

Characteristic values		
a) release with shunt coil, under-voltage (under-current) opening relay or release		
- rated voltage (current)	N/A	
- rated frequency	N/A	
- operating voltage (current)	N/A	
- operating time	N/A	
- inhibit time	N/A	
b) Overload relay and release (including the overload function of MPSD)		
- current settings	Current detection module	
	3RK1304-5KS40-.AA.	0,15 – 2A
	3RK1304-5LS40-.AA.	1,2 – 12A
- rated frequency, when necessary (for example in case of a current transformer operated overload relay)	50/60 Hz	
- time-current characteristics (or range of characteristics), when necessary	available from manufacturer	
- trip class	class 5, 10, 15, 20	
- number of poles	3	
- nature of the relay: thermal, magnetic, electronic (with/without thermal memory)	electronic	
- nature of the reset	automatic	
c) Short-circuit release of an MPSD:		
- rated operational currents (I_e) or rated operational powers:	N/A	
- rated frequency	N/A	
- current setting (or range of settings) if applicable		