

			
Certificate No.	R50681390 0001	Our Reference	01-Qif- CN25PZOI 001
		Appendix No.	1
Constructional Data Form (CDF) for DC Contactor		(EN 60947-4-1)	Page 1 of 4

License holder: MAXGE ELECTRIC TECHNOLOGY CO., LTD.
 Full address: NO. 299 EAST CHANGHONG ROAD, DEQING ECONOMIC ZONE, WUKANG, DEQING, 313200 Zhejiang, P.R. China

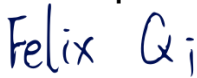
Factory1 : MAXGE ELECTRIC TECHNOLOGY CO., LTD.
 Full address: NO. 299 EAST CHANGHONG ROAD, DEQING ECONOMIC ZONE, WUKANG, DEQING, 313200 Zhejiang, P.R. China

Factory2 : MAXGE ELECTRIC(WUHU)CO.,LTD
 Full address: NO.13-2,JIUZI AVENUE,ANHUI XINHU, ECONOMIC DEVELOPMENT ZONE,WANZHI DISTRICT, WUHU CITY, 241100 Anhui, P.R. China

Type or Model Number : SGC1-D18, SGC1-D12, SGC1-D09, SGC1-D25, SGC1-D32, SGC1-D38
 SGC1-D40, SGC1-D50, SGC1-D65, SGC1-D80, SGC1-D95

Kind of device: AC Contactor

Type designation	SGC1-D18, SGC1-D12, SGC1-D09, SGC1-D25, SGC1-D32, SGC1-D38 SGC1-D40, SGC1-D50, SGC1-D65, SGC1-D80, SGC1-D95
Ambient temperature	-5 °C ~ 40 °C
Contact material	Copper
Interrupting medium	Air
Number of poles	3P
Utilization category	AC-3, AC-4
Rated operational voltage (Ue)	220/240V, 380/400V(AC-3) 380/400V(AC-4)
Frequency	50/60Hz
Rated operational current (Ie)	9A(SGC1-D09), 12A(SGC1-D12),18A(SGC1-D18) 25A(SGC1-D25), 32A(SGC1-D32),38A(SGC1-D38) 40A(SGC1-D40), 50A(SGC1-D50),65A(SGC1-D65) 80A(SGC1-D80), 95A(SGC1-D95)
Conventional free air thermal current (Ith)	20A(SGC1-D09), 20A(SGC1-D12),32A(SGC1-D18) 40A(SGC1-D25), 50A(SGC1-D32),50A(SGC1-D38) 50A(SGC1-D40), 60A(SGC1-D50),80A(SGC1-D65) 100A(SGC1-D80), 125A(SGC1-D95)

TÜV Rheinland Group 2025.06.09 	
(Date)	(Signature)
(Stamp and Signature of Applicant)	

 TÜVRheinland® DIN CERTCO		 TÜVRheinland® Precisely Right.
Certificate No. R50681390 0001	Our Reference 01-Qif- CN25PZOI 001	Appendix No. 1
Constructional Data Form (CDF) for DC Contactor (EN 60947-4-1)		Page 2 of 4

Conventional enclosed thermal current (I _{the})	/
Rated insulation voltage (U _i)	690V
Impulse withstand voltage (U _{imp})	6kV
Overvoltage category	III
Conditional short-circuit current	I _q =3kA/400V(SGC1-D09,SGC1-D12, SGC1-D18) I _q =3kA/400V(SGC1-D25,SGC1-D32, SGC1-D38) I _q =3kA/400V(SGC1-D40,SGC1-D50, SGC1-D65) I _q =5kA/400V(SGC1-D80,SGC1-D95)
Co-ordination type	Type 2(SGC1-D18, SGC1-D12, SGC1-D09, SGC1-D40, SGC1-D50, SGC1-D65, SGC1-D80, SGC1-D95), type1(SGC1-D25, SGC1-D32, SGC1-D38)
Short circuit protective device	Fuse: RT36-00
IP code	/
Pollution degree	3
Rated duties	Uninterrupted duty, interrupted duty
Intermittent duty class	1200/h(AC-3), 300/h(AC-4)
On-load factor	40%
Suitability for isolation	/
Pole impedance of a contactor (Z)	50 mΩ
Electromagnetic compatibility (EMC)	/

Terminals /connection:

Type designation	
Terminal designation, main circuit	1L1, 3L2, 5L3, 2T1, 4T2, 6T3
Terminal designation, auxiliary circuit	1NO, 1NC
Terminal designation, control circuit	A1, A2
Type of terminal, main circuit	Rigid

TÜV Rheinland Group 2025.06.09 <i>Felix Qi</i>	
(Date)	(Signature)
(Stamp and Signature of Applicant)	

Certificate No. R50681390 0001

Our Reference 01-Qif- CN25PZOI 001

Appendix No. 1

Constructional Data Form (CDF) for DC Contactor

(EN 60947-4-1)

Page 3 of 4

Type of terminal, auxiliary circuit	Rigid
Type of terminal, control circuit	Rigid
Rated cross sectional area, main circuit	10 mm ²
Rated cross sectional area, auxiliary circuit	0.2 mm ²
Type of conductor	Copper
Number of conductors per terminal	1
Required preparation of the conductor	Required
Tightening torque, main circuit (N•m)	1,2
Tightening torque, auxiliary circuit (N•m)	1,2
Tightening torque, control circuit (N•m)	1,2
Material/plating terminal, main circuit	Copper alloy
Material/plating terminal, auxiliary circuit	Copper alloy
Material/plating terminal, control circuit	Copper alloy

Control circuit (coil):

Type designation	
Insulation class	F
Kind of current/rated frequency	50/60Hz
Rated control circuit voltage	24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V
Rated control supply voltage	24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V
Coil power consumption(holding power Limit Value)	/
Coil power consumption(pick-up power Limit Value)	/

Auxiliary circuit:

Type designation	/
Contact form	1NO1NC
Utilization category	AC-15
Operational voltage	380/400V

TÜV Rheinland Group
2025.06.09

Felix Qi

(Date)

(Signature)

(Stamp and Signature of Applicant)

Certificate No. R50681390 0001	Our Reference 01-Qif- CN25PZOI 001	Appendix No. 1
---------------------------------------	---	-----------------------

Constructional Data Form (CDF) for DC Contactor (EN 60947-4-1)	Page 4 of 4
---	-------------

Operational current	0,95A
Insulation voltage	690V
Conventional thermal current	10A
Conditional short-circuit current	1kA
Short circuit protective device	Fuse: gG 16A

Plastic insulating parts:

Component	Manufacturer	Material name	Flame class	PTI	Material Group
Cover	Jianyin Jihua New Material Co Ltd	PBT4308G29	Glow wire 850°C	175	III
Base	KINGFA SCI & TECH CO LTD	PBT-RG301	Glow wire 850°C	175	III