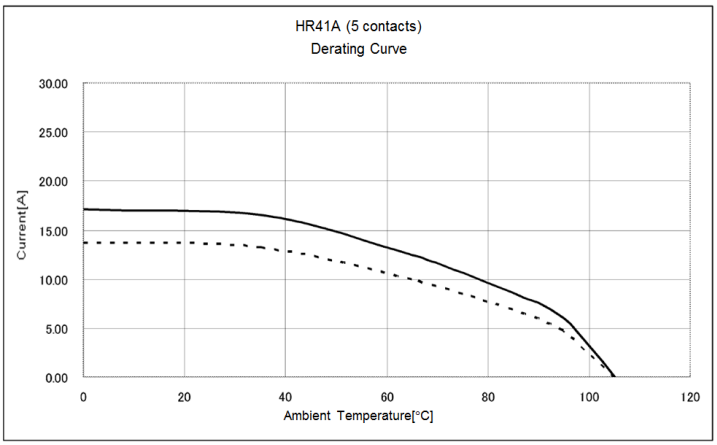
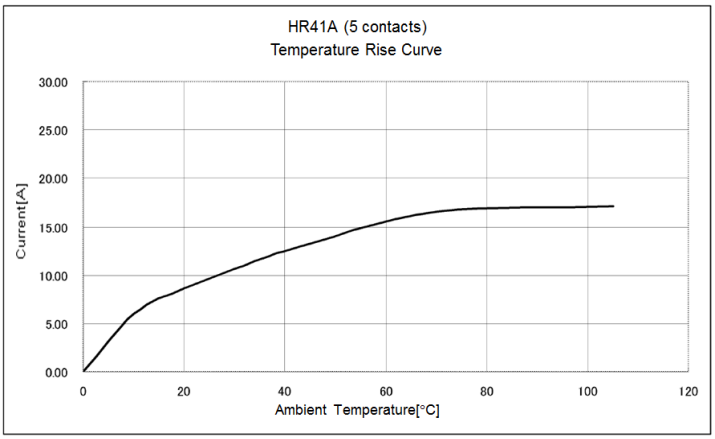
APPLICABLE STANDARD				
Rating	Operating Temperature Range	-40°C to +105°C (2)	Storage Temperature Range	-10°C to +60°C
	Voltage	—	Applicable Cable(1)	① 0.52～1.31 mm² AWG#16～#20 △1
	Current(4) △1	10A (UL, TÜV) 13A(Ambient Temperature 25°C)		② Jacket Diameter φ1.9～3.2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Examined visually and with a measuring instrument.	According to the drawing.	X	X
Marking	Confirmed visually.		X	X
ELECTRICAL CHARACTERISTICS				
Contact Resistance	Measured at DC 1A.	5 MΩ MAX.	X	X
MECHANICAL CHARACTERISTICS				
Contact Insertion and Extraction Forces	Measured with a φ1.57 ± 0.003 steel gauge.	Insertion and extraction forces: 0.5 N MIN.	X	–





△1
Basic Curve
Derating Curve

3) The derating curve is derived from the basic curve multiplied by the derating factor of 0.8.
4) The value of rated current varies with the ambient temperature. It is recommended to use the product within the derating curve zone.
When using a UL or TÜV approved product, please use the product within the specified range as well as the derating curve area.
5) The measurement method of the derating curve is shown below.
- •Test specimen: This product, unused prior to testing.
- •Test cable conductor cross sectional area: AWG16 (1.31mm²)
- •Test condition: Power supplied while the specimen is in a stationary state and then measured.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△4	3	DIS-C-00001411	TY. SUZUKI	HY. KOBAYASHI	17. 01. 30

Notes
1) The applicable cable should satisfy both conditions ① and ②
2) Includes temperature rise due to current carrying.
Unless otherwise specified, refer to IEC 60512 (JIS C 5402).

APPROVED	SU. OBARA	14. 05. 16
CHECKED	HY. KISHI	14. 05. 16
DESIGNED	HN. TANAKA	14. 05. 16
DRAWN	HN. TANAKA	14. 05. 16

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-118388-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. HR41A-SC-111

CODE NO. CL141-0213-5-00 △0 1/1

FORM HD0011-2-1