


APPLICABLE STANDARD				
RATING	Operating Temperature Range ⁽²⁾	-40 °C TO +105 °C	Storage Temperature Range	-10 °C TO +60 °C
	Voltage	—————	Applicable Cable ⁽¹⁾	①Conductor area:5.5 to 6.5 mm ² (AWG#10 corresponding) ②Conductor diameter : ϕ 3.4 MAX ③Jacket diameter : ϕ 6 MAX
	Current ⁽⁴⁾ <div></div>	20A(UL, TÜV) 24A(Ambient Temperature 25°C)		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

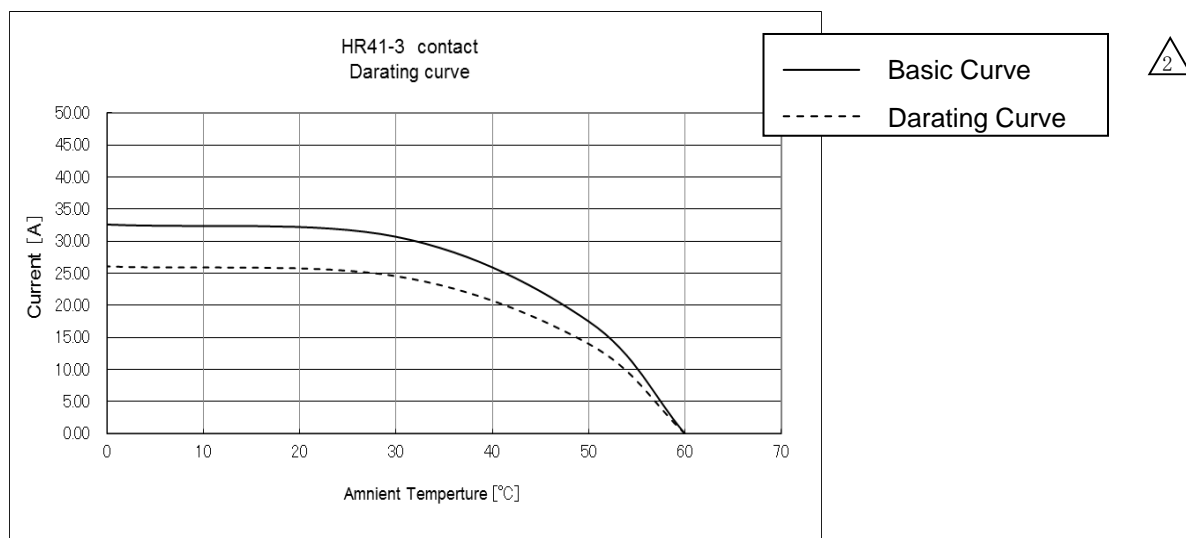
General Examination	Examined visually and with a measuring instrument.	According to the drawing.	X	X
Marking	Confirmed visually.		X	X

ELECTRICAL CHARACTERISTICS

Contact Resistance	Measured at DC 1 A MAX	2 mΩ MAX.	X	X
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MECHANICAL CHARACTERISTICS

Contact Insertion and Extraction Forces	Measured with a ϕ3.58±0.003 steel gauge.	Insertion and extraction force 0.8 N MIN.	X	—
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- Notes (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 : AWG#10 (5.5mm²)
 - Test condition: Power supplied while the specimen is in a stationary state and then measured.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
2	DIS-C-00001396	TY.SUZUKI	HY.KOBAYASHI	17.01.30
Notes (1) The applicable cable should satisfy all conditions ① to ③. (2) Includes temperature rise due to current carrying.		APPROVED	SU.OBARA	13.01.18
		CHECKED	HY.KOBAYASHI	13.01.18
		DESIGNED	TY.SUZUKI	13.01.18
		DRAWN	KN.IKEHARA	13.01.15
Unless otherwise specified, refer to IEC 60512(JIS C 5402)		DRAWING NO. ELC4-117588-00		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO. ELC4-117588-00		
HRS	SPECIFICATION SHEET	PART NO.	HR41-SC-141	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL141-0008-6-00	1/1