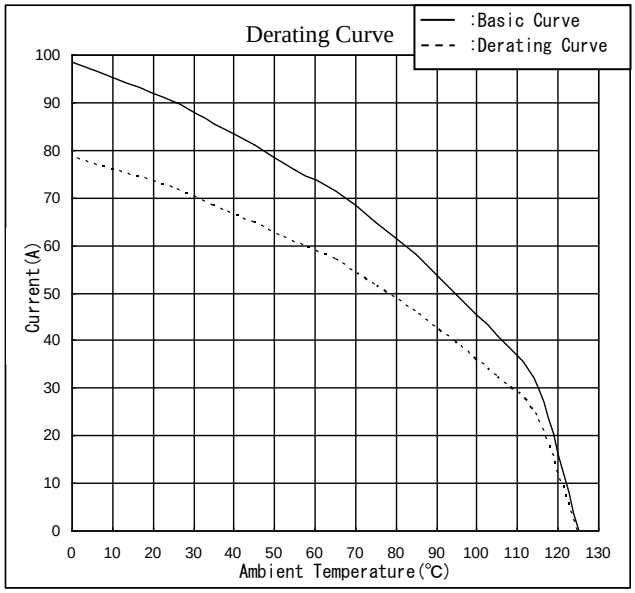
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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

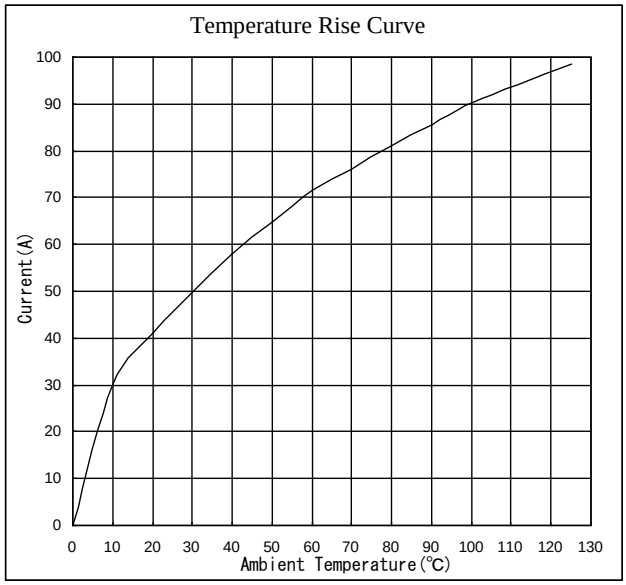
APPLICABLE STANDARD				
Rating	Operating Temperature Range (3)	−40 °C TO +125 °C	Storage Temperature Range	−10 °C TO +60 °C
	Voltage	———	———	———
	Current (2) ⚠	50A (UL, TÜV) 70A (Ambient Temperature 25°C)	Applicable Cable(5)	①Conductor area: 8.44 TO 8.92 mm² (AWG#8 equivalent) ②Conductor Diameter: φ4.4MAX. ③Jacket Diameter: φ11.5MAX.

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Examined visually and with a measuring instrument.	According to the drawing.	X	X
ELECTRIC CHARACTERISTICS				
Contact Resistance	Measured at DC 1A.	1 mΩ MAX.	X	—
Contact Insertion and Extraction Forces	Measured with a $\phi 4.5_{0}^{+0.003}$ steel gauge.	Insertion and extraction forces: 1.4 N ～10N .	X	—
ENVIRONMENTAL CHARACTERISTICS				
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION RUIN THE FUNCTION.	X	—

[Reference]





Measurement method:
Assemble three crimped contacts with (8.44 TO 8.92) mm² wire into each plug EM35MP-4SC and the receptacle EM35MR-4PC except for the grounding contact position, and then serially connect and measure. Plug is sealed for water tightness.

Notes:⚠
(1) Derating curve is derived from current value of basic curve multiplied by 0.8.
(2) 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.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠	2	DIS-C-00001386	HY.KISHI	HY.KOBAYASHI	17.01.26

NOTES
(3) Includes temperature rise due to current carrying.
(4) RoHS COMPLIANT
(5) The applicable cable should satisfy both conditions ① to ③.
Unless otherwise specified, refer to JIS C 5402.

APPROVED	EJ.KUNII	12.04.24
CHECKED	HY.KISHI	12.04.23
DESIGNED	HK.NAMAI	12.04.23
DRAWN	HK.NAMAI	12.04.23

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

DRAWING NO. ELC4-117064-01

HRS

SPECIFICATION SHEET — PART NO. EM-SC-143(01)

HIROSE ELECTRIC CO., LTD. — CODE NO. CL138-0024-0-01 ⚠ 1/1

FORM HD0011-2-1