






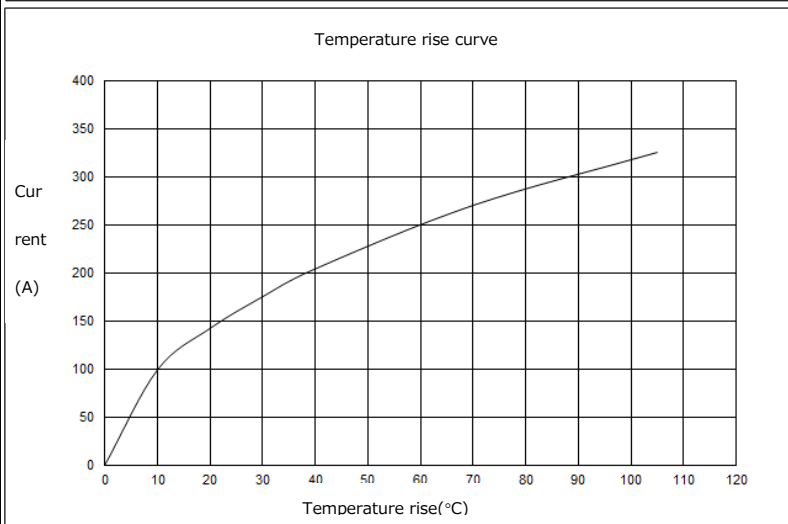
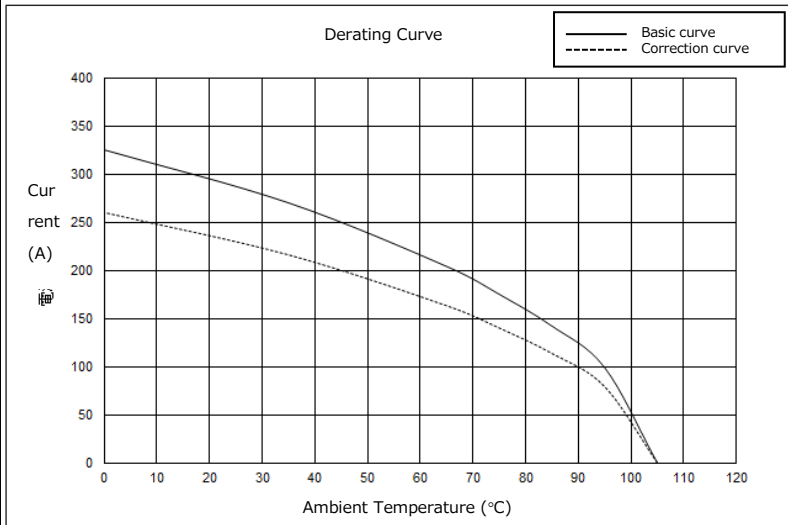


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +105 °C (Includes temperature rise due to conduction)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE 	AC, DC 800 V (UL and TUV certification pending) AC, DC 1000 V				
	CURRENT ⁽²⁾ 	200 A (UL and TUV certification pending) 220 A (Ambient Temperature 25°C)	APPLICABLE CABLE			
SPECIFICATIONS						
ITEM	TEST METHOD		REQUIREMENTS	QT	AT	
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.			X	X	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	MEASURED AT THE CONTACT AT DC 1A.		0.5mΩ MAX.	X	X	
	MEASURED FROM SHELL TO CABLE SHIELD AT DC -A.		-mΩ MAX.	—	—	
INSULATION RESISTANCE	MEASURED AT DC 500V.		1000MΩ MIN.	X	X	
VOLTAGE PROOF	AC 4260V APPLIED FOR 1min.		NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND WITHDRAWAL FORCES	MEASURED WITH AN APPLICABLE GAUGE.		INSERTION AND WITHDRAWAL FORCES: 150N MAX.	X	—	
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED WITH AN APPLICABLE CONNECTOR WITHOUT A LOCKING DEVICE.		INSERTION AND WITHDRAWAL FORCES: 200N MAX.	X	—	
MECHANICAL OPERATION	INSERTED AND EXTRACTED 30 TIMES.		CONTACT RESISTANCE: 1 mΩ MAX.	X	—	
VIBRATION	FREQUENCY RANGE: 10 TO 2000Hz, AVERAGE ACCELERATION: 57.9m/s ² FOR 8 HOURS IN 3 DIRECTIONS (ISO 16750-3, JASO D 014-3).		1) NO ELECTRICAL DISCONUITY OF 10 μs. 2) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.	X	—	
SHOCK	IN THREE DIRECTIONS AT AN ACCELERATION OF 490 m/s ² , A PULSE DURATION 11ms AND PERFORMED THREE TIMES.		1) NO ELECTRICAL DISCONUITY OF 10 μs. 2) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.	X	—	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	TEMPERATURE: 40 °C, HUMIDITY 90 TO 95%, LEFT FOR 96 HOURS.		1) CONTACT RESISTANCE: 1mΩ MAX. 2) INSULATION RESISTANCE: 100MΩ MIN (WHEN DRY). 3) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.	X	—	
TEMPERATURE CYCLE	TEMPERATURE: -40 °C → R/T ⁽¹⁾ → +125 °C → R/T TIME: 30 → 2 TO 3 → 30 → 2 TO 3 min TESTED OVER 5 CYCLES.		1) CONTACT RESISTANCE: 1mΩ MAX. 2) INSULATION RESISTANCE: 100MΩ MIN. 3) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.	X	—	
CORROSION SALT MIST	CONCENTRATION: 5% SALT WATER, LEFT FOR 48 HOURS. 		NO MAJOR CORROSION DAMAGE TO ELECTRICAL AND MECHANICAL FUNCTIONS (INTERMATEABILITY).	X	—	
RESISTANCE TO HEAT	EXPOSED AT A TEMPERATURE OF +105 °C FOR 96 HOURS.		1) CONTACT RESISTANCE: 1mΩ MAX. 2) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.	X	—	
RESISTANCE TO COLD	EXPOSED AT A TEMPERATURE OF -40 °C FOR 96 HOURS.		1) CONTACT RESISTANCE: 1mΩ MAX. 2) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.	X	—	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
	4	DIS-C-00001438	WR. AJIRO	TP. KOMATSU	17.02.10	
REMARKS 	NOTES (1) R/T = room temperature.		APPROVED	SU. OBARA	15.11.13	
			CHECKED	YH. YAMADA	15.11.13	
			DESIGNED	HS. KAWASHIMA	15.11.13	
			DRAWN	HS. KAWASHIMA	15.11.13	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-118968-00-00		
	SPECIFICATION SHEET		PART NO.	EV2-30R-1SB		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL139-0200-7-00		1/2

SPECIFICATIONS



[Reference]



- 2) The derating curve is derived from the basic curve multiplied by the derating factor of 0.8.
- 3) 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.
- 4) The measurement method of the derating curve is shown below.
 - Test specimen: This product, unused prior to testing.
 - Test cable conductor cross sectional area: receptacle 38mm², plug 40mm²
 - Test condition: Power supplied while the specimen is in a stationary state and then measured.

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 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.

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HRS	SPECIFICATION SHEET		PART NO.	EV2-30R-1SB	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL139-0200-7-00	2/2