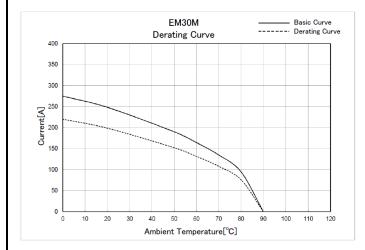
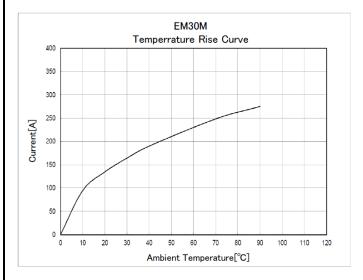
APPLICA	BLE STAN	IDARD		E48134	14)							
OPERATING TEM		PERATURE -20 °C TO +90		°C	C STORA		RAGE TEMPERATURE		−10 °C TO +6	0 °C		
RATING	RANGE VOLTAGE		(Including temperature rise due to conduction) AC.DC 1000V		ion)	RANGE		_				
	CURRENT		,			PPLICABLE CABLE			42. 42 TO 60. 57 mm ²			
SPECIFICATIONS												
ITEM TEST METHOD REQUIREMENTS QT A												
CONSTRU							1					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING				Х	Х	
MARKING ELECTRIC CHARAC		CONFIRMED VISUALLY.				ACCORDING TO DRAWING.				Х	Х	
ELECTRIC	CHARAC	JERISTIUS										
CONTACT RESISTANCE		MEASURED AT THE CONTACT AT DC 1A.				0. 6m Ω MAX.				Х	Х	
INSULATION RESISTANCE		MEASURED AT DC 500V.				1000MΩ				X	_	
VOLTAGE PROOF MECHANICAL CHAF						NO FLASI	HOVER OR	BREAK	DOWN.	Х	_	
CONNECTOR INSE	RTION AND		NITH AN APPLICABLE CONNECTOR			INCEDTIO	ON AND WI	THUDY	WAL FORCES: 100N MAX.	X		
WITHDRAWAL FORCES		WITHOUT A LOCKING DEVICE.				NO DAMAG		HIDNA	WAL FUNCES. TOOM WAX.	^	-	
TERMINAL RETEN	TERMINAL RETENTION FORCE		280N APPLIED AT THE CONNECTION					IMPAI	RING DAMAGE, CRACKS, OR	^	 -	
MECHANICAL OPERATION		INSERETED AND EXTRACTED 50 TIMES.				LOOSENESS IN THE PARTS. 2) CONTACT RESISTANCE: 0.8 m Ω MAX.				Х	_	
		FREQUENCY RANGE: 10 TO 500Hz/CYCLE, SINGLE AMPLITUDE OF 0.75mm, FOR 3 HOURS IN 3 AXIAL DIRECTIONS (MIL-STD-1344 method 2005, condition 2).				 NO ELECTRICAL DISCONUITY OF 10 μs. NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS. 				Х	_	
		IN 6 AXIAL DIRECTIONS AT AN ACCELERATION OF 490 m/s², A PULSE DURATION OF 11ms AND PERFORMED 3 TIMES.				1) NO ELECTRICAL DISCONUITY OF 10 µs. 2) NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.				Х	_	
ENVIRON	MENTAL C	HARA	CTERISTICS							ı	1	
DAMP HEAT (STEADY STATE)					 INSULATION RESISTANCE: 10MΩ MIN (WHEN WET). 							
		TEMPERATURE: 40 ° C, HUMIDITY 90 TO 95%, LEFT FOR 96				2) INSULATION RESISTANCE: 100MΩ MIN (WHEN DRY).					_	
		HOURS.			3) NO DAMAGE, CRACKS, OR LOOSENESS IN THE							
		TEMPERATURE: $-40^{\circ} \text{ C} \rightarrow \text{R/T}^{(3)} \rightarrow +105^{\circ} \text{ C} \rightarrow \text{R/T}$			PARTS. 1) INSULATION RESISTANCE: 1000MΩ MIN. 2) NO DAMAGE, CRACKS, OR LOOSENESS IN THE							
TEMPERATURE CYCLE		TIME: 30 → 2 TO 3 → 30 → 2 TO 3 min TESTED OVER 5 CYCLES.							Х	_		
						PARTS.						
RESISTANCE TO HEAT		EXPOSED AT A TEMPERATURE OF +105 °C FOR 96 HOURS.			NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.					 -		
RESISTANCE TO COLD		EXPOSED AT A TEMPERATURE OF -40 °C FOR 96 HOURS. CONNECTED TO AN APPLICABLE CONTACT AT A WATER DEPTH OF			NO DAMAGE, CRACKS, OR LOOSENESS IN THE PARTS.					-		
SEAL I NG (2)		1m FOR 30 MINUTES.			NO WATER PENETRATION INSIDE THE CONNECTOR.							
AIR TIGHTNESS (2)		CONNECTED TO AN APPLICABLE CONTACT, 17.6kPa OF PRESSURE WAS APPLIED FOR 30 SECONDS.			OI AIN	NO AIR BUBBLES EMITTED FROM THE CONNECTOR.					_	
	1			,								
COUNT	Γ DE	DESCRIPTION OF REVISIONS			DESIGNED		CHECKED				ATE	
1 DEMARKS		DIS-C-00013440 TY. 1				AHASHI EJ. KUNII			EJ. KUNI I	20221130		
REMARKS Notes: (1)	Novo sposifico					APPRO'	VED	TP. KOMATSU	2022	20520		
a	applicable crim					CHECK	KED	EJ. KUNI I	2022	20518		
		r tightness were tested under mated condition with an nector, and SANKEI CO.,LTD KEIGLAND E2KD 2428 installed.			DESIGNED HR. SATO		20220517					
(3) R/T = room temperature For unspecified specifications, refer to IEC 60512 (JIS C 5402).							DRAWN HR. SATO		20220516			
							RAWING NO. ELC-119509-8			81–00	0	
שנ	SPECIFICATION SHEET				PART	PART NO.		EM30M-WBR-1SCA-K(81)				
HS	HIR	IROSE ELECTRIC CO., LTD.			CODE NO.		CL0138-0075-0-81		Δ	1/2		

SPECIFICATIONS





Notes:

- 4) The derating curve is derived from the basic curve multiplied by the derating factor of 0.8.
- 5) 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 approved product, please use the product within the specified range as well as the derating curve area.
- The measurement method of the derating curve is shown below.
 - •Test specimen: This product, unused prior to testing.
 - •Test cable conductor cross sectional area: 50mm²
 - Test condition: Power supplied while the specimen is in a stationary state and then measured.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-119509-81-00		
HS	SPECIFICATION SHEET	PART NO.	EM30M-WBR-1SCA-K(81)			
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL0138	-0075-0-81	<u>^</u> 2/2	