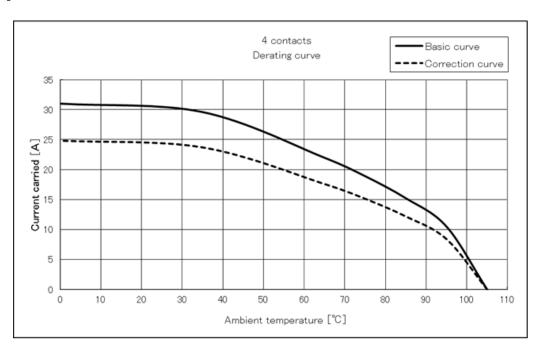
APPLICAE	BLE :	STANDAF	RD									
Operating				1000 1 105	.0	Storage	e Tempera	ature	-10°C to +60	D°C		
Patina	Temperature Range (2) Voltage			-40°C to +105 AC 30 V , DC 42		Range			Power - AMC#44	to 16		
Rating					AC 30 V , DC 42 V Applicable		able Cable	Signal : AWG#22 to 24				
	Current (1) (6)		<u> </u>	Power : 24 A(Ambient Temperature 25°C) Insula Signal : 1 A			lation diameter Power : ϕ 2.6 to Signal : ϕ 1.4 to					
				SPEC	IFICAT	IONS						
ı	TEM			TEST METHOD				RFQL	JIREMENTS	QT	АТ	
CONSTRUCTION			IEST METHOD				REGUINEMENTS			٠,٠	1 / ()	
General Examination			Examined visually and with a measuring instrument.				According to the drawing.			Х	Х	
Marking			Confirmed visually.				3			Х	Х	
ELECTRICAL CHARAC			TERISTICS									
Contact Resistance			Measured at DC 1A.				10 mΩ MAX. (Power contact) 15 mΩ MAX. (Signal contact)			Х	Х	
Insulation Resistance			Measured at 500 V DC.				1000 MΩ MIN.			Х	Х	
Voltage Proof			600 V AC applied for 2 min.				No flashover or breakdown.			Х	Х	
MECHANI	CAL	CHARAC	TERIST	CS								
Contact Insert		nd	Measured with a ϕ 1. 98 $^{+0.003}_{0}$ steel gauge.				sertion and ex	traction for	ces: 1 N MIN. (Power contact)	7,		
Extraction Forces			Measured with a ϕ 0. 98 $^{+0.003}_{0}$ steel gauge.				Insertion and extraction forces: 0.2 N MIN. (Signal contact)			X	-	
Mating and		^	Measured	with an applicable connector		Ma	ating and ur	mating fo	rces: 60 N MAX.	+		
Unmating Forces 1			Measured with an applicable connector. (Excluding lock mechanism.)				G Sand Sand Sand Sand Sand Sand Sand Sand			X	_	
Mechanical O	perat	ion	Mated and unmated 30 times.			Co	Contact resistance:10 m Ω MAX. (Power contact) 15 m Ω MAX. (Signal contact)					
			Single amplitude: 0.75 mm Performed over 10 cycles in each of three mutually				 No electrical discontinuity of more than 10 μs. No damage, cracks or looseness of parts. 			x	-	
Shock Accele Perform			Acceleration	icular directions. Ition: 500 m/s², Half sine wave pulses of 11 ms. ad 3 times in each of three mutually perpendicular s.			 No electrical discontinuity of more than 10 μs. No damage, cracks or looseness of parts. 			х	-	
			Subjected	CTERISTICS Djected to a temperature of +40 °C, at a humidity of 90 to for 96 hours.			1) Insulation resistance: 10 M Ω MIN. (At high humidity) 2) Insulation resistance: 100 M Ω MIN. (When dry) 3) No damage, cracks or looseness of parts.) X	_	
			Time:	Temperature: $-40 \rightarrow R/T^{(4)} \rightarrow +105 \rightarrow R/T^{(4)} \circ C$ Time: $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to 3 min for 5 cycles.				 Insulation resistance: 100 MΩ MIN. No damage, cracks or looseness of parts. 			-	
Corrosion Salt Mist ⁽³⁾			•				No heavy corrosion which impairs functionality.			Х	 -	
Dry Heat			Subjected	Subjected to +105 °C for 96 h.			No damage, cracks or looseness of parts.			Х	+-	
Cold			Subjected	jected to -40 °C for 96 h.			No damage, cracks or looseness of parts.			Х	T -	
Sealing (IPX7) (3) (JIS C 0920:2003)			Subjected	to a depth of 1 m for 0.5 h.			No water penetration to the inside of the connector.			Х	_	
Air Tightness ⁽³⁾			17.6kPa ap	pplied to the inside of the connector for 0.5min.			No air bubbles from the inside of the connector.			х	_	
Sealing (IPX6) (3) (JIS C 0920:2003)			100L/min fountain water in all directions from a distance of 3m,3min.			e of No	No water penetration to the inside of the connector.			х	_	
COUN	-	DE		ON OF REVISIONS		DESIGN	ED		CHECKED	DA	DATE	
<u>3</u> 2			DIS-	C-00009416		SH. KOYAI	MA		EJ. KUNI I	202		
REMARK Notes (1) The above specifications show the crimp contacts (BH12-SC-213,B) (2) Including temperature rise due to				·			APF	ROVED	YH. YAMADA	2020	00128	
			2-SC-213,BH				СН	CHECKED HN. TAN		2020	20200128	
- · · · · · · · · · · · · · · · · ·				airtightness are tested in mated condition with an			DES	SIGNED	SH. KOYAMA	20200128		
				efer to IEC 60512 (JIS C 5402).			DRAWN		SH. KOYAMA	OYAMA 2020012		
Note QT:Qualification Test AT:As			st AT:Ass	surance Test X:Applicable Test [RAWING NO.		ELC-390397-00-		0	
л			PECIFI	CATION SHEET PA		PART N	IO.	BH12WP-4SC				
			OSE ELECTRIC CO., LTD.			CODE NO.		CL0140-0010-0-00		<u> </u>	1/2	
							, .	000170 0010 0 00		75	٠, ح	



[Reference]



Notes (5) The derating curve is derived from the basic curve multiplied by the derating factor of 0.8.

- (6) The value of rated current varies with the ambient temperature. It is recommended to use the product within the derating curve zone.
- (7) The measurement method of the derating curve is shown below.
 - Test specimen: This product, unused prior to testing.
 - Test cable conductor cross sectional area : Power ··· AWG#14 (2.0mm²), Signal ··· AWG#22 (0.3mm²)
 - Test condition: Power supplied while the specimen is in a stationary state and then measured. (For details, please refer to the examination report number TR140E-20045.)

Note QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-390397-00-00			
3	SPECIFICATION SHEET	PART NO.		BH12WP-4SC			
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL014	0-0010-0-00	<u> </u>	1/2	