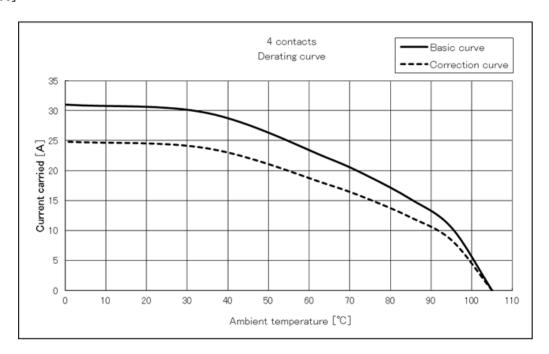
APPLICAE	BLE :	STANDAF	RD								
Operating Operating				1000 1 105	.0	Storage	e Tempera	ature	-10°C to +60	D°C	
Patina	Temperature Range (2) Voltage			-40°C to +105 AC 30 V , DC 42		Range Applicable Ca			Power - AMC#44	to 16	
Rating								!	Power : AWG#14 to 16 Signal : AWG#22 to 24		
	Current (1) (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			TEST 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 $_0^{+0.003}$ steel gauge.		Ins	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.)				Sand distincting 101000, 00 11 191 VI.			X	_
Mechanical Operation			Mated and unmated 30 times.			Co	Contact resistance:10 m Ω MAX. (Power contact) 15 m Ω MAX. (Signal contact)				
Vibration			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 Perfor			Acceleration	dicular directions. ation: 500 m/s², Half sine wave pulses of 11 ms. ation: 500 m/s², Half sine wave pulses of 11 ms. ation: 500 m/s², Half sine wave pulses of 11 ms. ation: 500 m/s², Half sine wave pulses of 11 ms.			 No electrical discontinuity of more than 10 μs. No damage, cracks or looseness of parts. 			х	-
			Subjected	ACTERISTICS ubjected to a temperature of +40 °C, at a humidity of 90 to 5 % 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	_
			Temperatu Time: 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	ted to -40 °C for 96 h.			No damage, cracks or looseness of parts.				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	<u> </u>	DE		ON OF REVISIONS		DESIGN	ED		CHECKED	DA	ATE
<u>3</u> 2			DIS-	C-00009416		SH. KOYAI			2021	20211215	
REMARK Notes (1) The above specifications show the crimp contacts (BH12-SC-213,Bl) (2) Including temperature rise due to				·			APF	ROVED	YH. YAMADA	2020	00128
			2-SC-213,BH				СН	CHECKED HN. TA		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 P		PART N	IO.	BH12WP-4SC			
			OSE ELECTRIC CO., LTD.			CODE NO.		CL0140-0010-0-00		<u> </u>	1/2
							, .	J_U 1	10 0010 0 00 2		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				
11.	11.0	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL014	0-0010-0-00	<u> </u>	1/2	