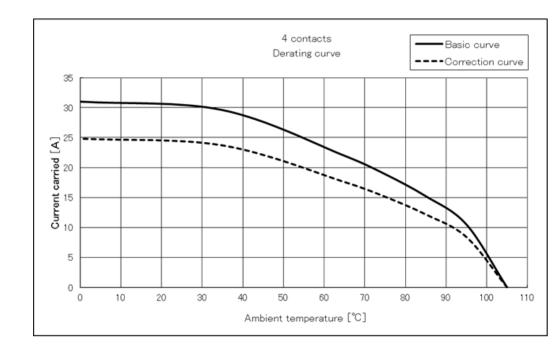
	BLE STANDA	КD	4000 / / / / / /	00	Storage Te	mperatura	4000 : 00	0		
	Operating Temperature Range ⁽²⁾		Range		Storage Ter Range	mperature	-10°C to +60°C			
Rating	Voltage		AC 30 V , DC 42 V Applicab		Applicable (Cable Power : AWG#14 to 16 Signal : AWG#22 to 24				
	Current ⁽¹⁾⁽⁶⁾		Power : 24 A(Ambient Temperature 25°C) II Signal : 1 A		Insulation d	liameter	Power : ϕ 2.6 to 3.0 Signal : ϕ 1.4 to 1.6			
			SPEC	IFICATI	ONS					
ľ	ТЕМ		TEST METHOD			REQ	UIREMENTS	QT	A	
CONSTRU	JCTION									
General Exam	nination	Examined	visually and with a measuring ins	strument.	Accordi	ng to the drawir	ng.	Х	Х	
Marking		Confirmed	visually.				-	Х	Х	
ELECTRIC	CAL CHARAC	TERISTIC	CS							
Contact Resistance		Measured at DC 1A.				10 mΩ MAX. (Power contact) 15 mΩ MAX. (Signal contact)			Х	
Insulation Resistance		Measured at 500 V DC.			1000 M	· •	,	Х	Х	
Voltage Proof		600 V AC applied for 2 min.			No flash	nover or breakd	own.	Х	Х	
MECHANI	CAL CHARA									
Contact Insert		Measured with a ϕ 1.98 $^{+0.003}_{0}$ steel gauge.				and extraction for	rces: 1 N MIN. (Power contact)	x		
Extraction Forces		Measured with a $\phi 0.98 \stackrel{+0.003}{_{0}}$ steel gauge.			Insertion	Insertion and extraction forces: 0.2 N MIN. (Signal contact)				
Mating and		Measured	with an applicable connector		Mating a	and unmating fo	prces: 60 N MAX.			
Unmating Forces		Measured with an applicable connector. (Excluding lock mechanism.)						X		
Mechanical Operation		Mated and unmated 30 times.			Contact	Contact resistance:10 mΩ MAX. (Power contact) 15 mΩ MAX. (Signal contact)				
Vibration		Frequency: 10 Hz to 55 to 10 Hz every cycle (5 min per cycle 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. 			_	
Shock		perpendicular directions. Acceleration: 500 m/s ² , Half sine wave pulses of 11 ms. Performed 3 times in each of three mutually perpendicular directions.			· ·	 No electrical discontinuity of more than 10 μs. No damage, cracks or looseness of parts. 			-	
ENVIRON	MENTAL CH	ARACTER	RISTICS							
Ś		95 % for 96 hours. Temperature: -40 \rightarrow R/T ⁽⁴⁾ \rightarrow +105 \rightarrow R/T ⁽⁴⁾ °C			2) Insula	 Insulation resistance: 10 MΩ MIN. (At high humidity) Insulation resistance: 100 MΩ MIN. (When dry) No damage, cracks or looseness of parts. Insulation resistance: 100 MΩ MIN. No damage, cracks or looseness of parts. 			-	
					1) Insula				_	
		for 5 cycles						X		
o chi con can mict		-	Subjected to 5 % salt spray for 48 h.			No heavy corrosion which impairs functionality.			-	
Dry Heat			Subjected to +105 °C for 96 h.			No damage, cracks or looseness of parts.			-	
Cold		Subjected	Subjected to -40 °C for 96 h.			No damage, cracks or looseness of parts.			-	
Sealing(IPX7) ⁽³⁾ (JIS C 0920:2003)		Subjected	cted to a depth of 1 m for 0.5 h.			No water penetration to the inside of the connector.			_	
Air Tightness ⁽³⁾		17.6kPa ap	17.6kPa applied to the inside of the connector for 0.5min.			No air bubbles from the inside of the connector.			-	
Sealing(IPX6) ⁽³⁾ (JIS C 0920:2003) 2 100L/min 3m,3min		n fountain water in all directions from a distance of			No water penetration to the inside of the connector.			_		
COUN	NT DE	SCRIPTIC	ON OF REVISIONS	D	DESIGNED		CHECKED		TE	
<u>3</u> 2		DIS-	DIS-C-00009416 SH. KOYAMA EJ. KUNII		EJ. KUNI I	20211215				
REMARK Notes						APPROVED	YH. YAMADA	2020	0128	
crim	np contacts (BH1:	2-SC-213,B⊦	is show the values in assembled condition with applicable SC-213,BH12-SC1-213). ise due to current carrying. lling and airtightness are tested in mated condition with an re.			CHECKED	HN. TANAKA	20200128		
	rrosion salt mist, solicable connector					DESIGNED	SH. KOYAMA			
(3) Cor app	: Room Temper	alure.			r to IEC 60512 (JIS C 5402).		DRAWN SH. KOYAMA		20200128	
(3) Cor app (4) R/T			fer to IEC 60512 (JIS 0	C 5402).		DRAWN	SH. KOYAMA	2020	0128	
(3) Cor app (4) R/T Unless ot	herwise spe	cified, re	fer to IEC 60512 (JIS C surance Test X:Applicable T	Ĺ	DRAWIN		SH. KOYAMA ELC-390398-0			
(3) Cor app (4) R/T Unless ot	herwise spe Qualification Te	cified, re st AT:Ass PECIFI	*	est	DRAWIN ART NO.					



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	DRAWING NO.		ELC-390398-00-00	
RS	SPECIFICATION SHEET	PART NO.	BH12WP-3SC		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL014	0-0011-0-00	<u>\$</u> 2/2

FORM HD0011-2-1