APPLICAB	LE STANDA	RD 💰	TÜV approved(R50270424)	), UL approv	ed(E52653	5)					
Rating	Operating temperature range <sup>(2)</sup>		-40°C to +10	05°C	Storage te range	orage temperature		-10°C to +60	°C		
	Voltage		AC, DC 600 V(UL,TÜV) AC, DC 1000V			_		_			
Current <sup>(1)</sup> /3		20A (UL, TÜV)			Applicable	cable		φ9.0±0.6			
		24A(Ambient temperature 25°C)									
			SPEC	CIFICATION	ONS						
דו	ГЕМ		TEST METHOD		1		EOU	IREMENTS	QT	AT	
			1E31 METHOD			Г	(EQU	IKEWENIS	QI	AI	
CONSTRUCTION General Examination		Examined visually and with a measuring instrument.			nt Accou	According to the drawing.				Tv	
Marking		Confirmed visually.			HIL. ACCO	According to the drawing.			X	X	
	ICAL CHA								^	^	
Contact Res			d at DC 1A. MAX.		Cente	er contact	2	mΩ MAX.	Х	Х	
Insulation Resistance		Measured at 500 V DC.				5000 MΩ MIN.				X	
Voltage Proof		4260 V AC applied for 1 min.				No flashover or breakdown.				X	
voltage i 1001		Apply 15kV standard waveform (1.2/50µs voltage				The machiever of broakdown.					
Impulse voltage proof		waveform. positive/negative polarities,3 times each) between each contact in mated condition.				No flashover or breakdown.			Х	-	
MECHANIC	CAL CHARA			itioii.						1	
Contact Inse	ertion and	Measured with a φ 3.58±0.003 steel gauge.				Insertion and extraction force 0.8 N MIN.					
Extraction Forces 3 Mating and Unmating Forces		Measured with an applicable connector.			Matin	Mating and unmating force 100 N MAX.			X	-	
Contact retention force		Apply pull force to the wire after crimping connected contact.			tact. Do no	Do not move the terminal : 50N MAX.			X	<u> </u>	
Mechanical Operation		Mated and unmated 200 times.			Conta	Contact resistance: 4 mΩ MAX.			X	<u> </u>	
Vibration			Frequency: 10 → 500 → 10 Hz, Single Amplitude			1) No electrical discontinuity of more than10μs.			. X		
		0.75 mm, Acceleration: 98 m/s <sup>2</sup> ,11min/cycle, for 3 h in each of three mutually perpedicular directions.				2) No damage, cracks or looseness of parts.				-	
Shock		Acceleration: 490m/s², half sine wave pulses of 11ms.  Performed 3 times in each of three mutually perpendicular				<ol> <li>No electrical discontinuity of more than 10 μs.</li> <li>No damage, cracks or looseness of parts.</li> </ol>				-	
		directions.		iy perpendicul	al ,						
ENVIRON	MENTAL CH										
Rapid change	of temperature	Temperature $-55 \rightarrow R/T^{(3)} \rightarrow +125 \rightarrow R/T$ °C Time $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to 3 min under 5 cycles.			1	<ol> <li>insulation resistance: 5000 MΩ MIN.</li> <li>No damage, crack and looseness of parts.</li> </ol>				-	
Damp heat		Subjected to 40° C, at a humidity of 90 to 95% for 96h.				1) Insulation resistance: 50 MΩ MIN					
(Steady state)		2, 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				(At high humidity).				_	
( , ,					2) Îns	<ul><li>2) Insulation resistance: 500 MΩ MIN (At dry).</li><li>3) No damage, crack and looseness of parts.</li></ul>					
Corrosion salt	mist <sup>(4)</sup>	Subjected to 5% salt spray for 1000h.				No heavy corrosion which impairs functionality.				_	
Sealing <sup>(4)</sup>		Subjected to a depth of 2m for 14 days.			No wa	No water penetration into the connector.				_	
Air tightness <sup>(4)</sup>		17.6 kPa of air pressure applied to the inside of the mated connector for 30s.				No air bubbles emitted from the inside of the connector.				-	
COUN	IT D	ESCRIPTI	ON OF REVISIONS	D	ESIGNED			CHECKED	DA	\TE	
<i>§</i> 4		DIS-	C-00003790	HT.Z		ENBA		HY.KOBAYASHI	2020	20200130	
REMARK	<u>/3\</u>	,				APPRO	VED	SU.OBARA		30409	
	<del></del>	s shows the values in assembled condition with applicable			е	CHEC	KED	HY.KOBAYASHI		30409	
		olicable crimp contact:HR41-SC-111)				DESIG	NED	TY.SUZUKI		30408	
(2) Inc	d by current-carrying.										
(3) R/T	Γ : Room tempe	ature.									
(4) Co	rrosion salt mist	sealing and airtightness shall be tested under mated condition			dition with	with DRAWN		TY.SUZUKI 2013		30408	
	applicable conn										
			fied, refer to IEC 60512 (JIS C 5402).  AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-11808	 3-00	)	
		SPECIFICATION SHEET			ART NO.	10.10.	HR41-25WBPD-3SC			•	
HS.		HIROSE ELECTRIC CO., LTD.			ODE NO.	C	CL141-0023-0-00			1/1	
								1-0023-0-00		1	