APPLICA	BLE STAN	IDARD							
	Operating		-25 °C to +85	°C	Storage ter	mperature	-10 °C to +60	O°C	
Rating	temperature range				range				
	Voltage		AC 500 V, DC 700	V		_			
	Current		10 A Ap		Applicable	olicable cable ϕ 5 to ϕ 11.5		5	
			SPECI	FICAT	IONS				
IT	EM		TEST METHOD			REQU	IREMENTS	QT	AT
	UCTION		120.1			TILGO	INCINEIVIO		1 / ()
		Visually and by measuring instrument.			Accordin	a to drawing		X	Х
General examination Marking		Confirmed visually.			Accordin	According to drawing.			X
_		RACTERISTICS						X	1 ^
					2	mΩ MAX.		X	X
Contact resistance Insulation resistance		Contact measured at DC 1 A.				1000 MΩ MIN.			X
		500 V DC.							X
Voltage proof			V AC. for 1 min.		No break	down.		X	^
			ERISTICS		1				т —
Contact mating and unmating forces		Measured with ——— steel pin gage.			Mating a	Mating and unmating forces: — N MIN.			_
Connector mating and		Measured with an applicable connector.			Mating a	Mating and unmating forces :40 N MAX.			
unmating forces		Without locking device.							
Mechanical op	eration	Mated and unmated 2,000 times.			Contact	Contact resistance: 4 m Ω MAX.			_
Vibration		Frequency: 10 \rightarrow 55 \rightarrow 10 Hz, single amplitude			①No ele	①No electrical discontinuity of 10 μs. ②No damage, crack or looseness of parts.			l _
		0.75 mm, 5min/cycle, for 10 cycles in each of three			e ②No dam				
			perpedicular directions.						-
Shock		Acceleration: 490m/s², half sine wave pulses of 11ms.			-	① No electrical discontinuity of 10 μs.			
		Performed 3 times in each of three mutually			② No da	② No damage, crack and looseness, of parts.			_
ENI/IDOI	NIMENITAL		ACTERISTICS						
	NIVICIN I AL							\neg	Т
Damp heat (Steady state)		Subjected to 40°C, at a humidity of 90 to 95% for 96h.			①Insula	①Insulation resistance:100 MΩ MIN (When dry).			_
					②No dam	age, crack and	l looseness, of parts.		
Ponid change of temporature		Tomporatu	Temperature $-55 \rightarrow R/T^{(1)} \rightarrow +85 \rightarrow R/T$ °C			① Insulation resistance: 100 MΩ MIN.			-
Napiu Glialige	or temperature		Time $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to 3 min			② No damage, crack and looseness of parts.			-
			for 5 cycles.			To damage, or ack and rooseness or parts.			
Corrosion sal	t mist	Subjected to 5% salt spray for 48h.			No heavy	No heavy corrosion which impairs functionality.			
Heat resistance		Subjected to +85°C for 96h.			No damag	No damage, crack and looseness of parts.			_
Cold resistance		Subjected to -55°C for 96h.			No damag	No damage, crack and looseness of parts.			_
Resistance to soldering		Soldering	Soldering iron is placed to the soldering surface for			No deformation or excessive looseness of			
heat		3s. (Iron tip temperature +380±10°C)			terminal	terminals.			
Solder ability		Soldered at solder temperature, +350±10°C for			Solderin	Soldering surface shall be free from pin-holes,			l _
		immersion	immersion duration, 3s.			de-wetted and un-wetted areas and other defects.			
								Д	
COUN	T D	ESCRIPTI	ON OF REVISIONS	DI	ESIGNED		CHECKED	DA	ATE
0									
REMARKS						APPROVED TP.KOMATSU		2022	21019
Note (1) R/	T: Room tempe	rature				CHECKED	HY.KOBAYASHI	2022	21019
						DESIGNED	HT.ZENBA	20221019	
Unless oth	nerwise spe	ecified. re	, refer to IEC 60512 (JIS C 5402).			DRAWN	KR.SUZUKI	2022	20922
			surance Test X:Applicable Te		DRAWIN	IG NO.	ELC-040367-81-00)
inc	S	PECIFICATION SHEET P			ART NO.	T	RM15QPS-4PA(81)		
HS								_	1 /4
	HIF	HIROSE ELECTRIC CO., LTD.		C	ODE NO.	CL0109-0897-4-81		Δ	1/1