Applicabl	e sta	andard											
Operat		erating perature range		-55°C to + 85°C (Note 1)		Storage temperature range Storage			-10	°C to + 60°C(No	te 3	)	
Rating	Operating												
rtaing	humidity range Voltage			20% to 80%(Note 2) 1000V AC/DC		humidity range Applicable connector			40% to 70% (Note 3) DF22-*(D) S-7. 92C (28)				
	Current( * 1)			AWG14 : 20A AWG16 : 15A		Applicable cable		DF22#-*(D) S-7. 920 (26) DF22#-*(D) S-7. 920 UL1430/UL1007 AWG14, 16					
		Rated voltage				1	Over		category	<u> </u>			
			AWG14:26A/AWG16:21A		\	Crossed category in French			11 1 101001101	ii iiiotiioa			
		600V	(At ambient temp. 25°C)		<b>C</b> )		_		_	_			
		000V	See above(*1)(Temp. rise up 30°CMA				_		_	_			
TUV AC			000V	\ /						IPOC	)		
				Spe	ecific	ations							
ı	tem			Test method				F	Requiremen	ts	QT	AT	
Construc	tion												
General examination			Visually and by measuring instrument.				According to drawing.					Χ	
Marking	Marking			Confirmed visually.								Χ	
Electric o	hara	acterist	ics										
Contact resistance			20mV MAX, 1mA (DC OR 1000 Hz).				5mΩ MAX.					_	
Mechani	cal c	haracte	eristics								I	l	
				0.8±0.002×1.6±0.002 by steel gauge.			Insertion force 5.0 N MAX.						
extraction forces			, , ,				Extraction force 0.3 N MIN.				Х	_	
Mechanical operation			50 times insertions and extractions.			~	<ol> <li>Contact resistance: 10 mΩ MAX.</li> <li>No damage, crack or looseness of parts.</li> </ol>				Х	_	
Vibration			Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.			(2	<ol> <li>No electrical discontinuity of 1 μs.</li> <li>No damage, crack or looseness of parts.</li> </ol>					_	
Shock			490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.									_	
Environn	nent	al chara	acteristi	cs									
Rapid change of			Temperature -55→ 5 to 35→+85→ 5 to 35 °C				① Contact resistance: 10 mΩ MAX. ② No damage, crack or looseness of parts.					_	
			Time $30 \rightarrow 5 \text{ max} \rightarrow 30 \rightarrow 5 \text{ max min}$ Under 5 cycles.										
Damp heat (Steady state)			Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.			_	<ol> <li>Contact resistance: 10 mΩ MAX.</li> <li>No damage, crack or looseness of parts.</li> </ol>				Х	_	
	densin to the	g condition	of long terr	rrent. m storage for unused product in temperature and humidity r				-	uring transpo	ortation.			
Cour	ıt Descript			ion of revisions Desig			gned		Ch	Checked		ate	
Unless otherwise specified, refer				to IEC 60512.				Approve	ed	HS. OKAWA	2019	0909	
								Checke		SZ. ONO		0909	
								Designe	ed T	S. KUMAZAWA	2019	0909	
								Drawn		S. KUMAZAWA		0909	
Note QT:Qualification Test AT:As				surance Test X:Applicable Test			Drawing no.			ELC-388479-00-00			
HS.	Spec			fication sheet		Part n	0.	DF22-1416SCA		2-1416SCA			
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