


Δ	Δ	REVISIONS	BY	CHKD	DATE	Δ	Δ	REVISIONS	BY	CHKD	DATE
Δ						Δ					
Δ						Δ					

APPLICABLE STANDARD													
RATING	VOLTAGE	CONTACT NO. 1 ~ *	AC 150 V								APPLICABLE CABLES		
	CURRENT	CONTACT NO. 1 ~ *	DC V	A								IMPEDANCE FREQUENCY RANGE	Ω (0 ~ Hz)
	POWER								OPERATING TEMPERATURE RANGE	-35°C ~ +85°C (Notes 1)			
	SPECIALTY												

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	AC Applicable Std. and Ebc 3-083675-01		-	-	-	○	○
2	MARKING			-	-	-	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC V.	MIL-STD-1344	500	-	MΩ	○	-
4	CONTACT RESISTANCE	The voltage drop must be under the Std. value at DC A.		-	-	mΩ	-	-
	CONTACT	The voltage drop must be under the Std. value at DC A.		-	-	mΩ	-	-
5	DIELECTRIC WITHSTANDING VOLTAGE	Must withstand AC DC 500V for one minute.	MIL-STD-1344	-	-	-	○	-
6	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC 20mV less and mA.		-	-	mΩ	-	-
7	DRY CIRCUIT	Must have conductivity in alternate current at DC μV.		-	-	-	-	-
8	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the Std. gauge size value at applicable gauge.		-	-	N	-	-
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.		-	-	N	-	-
9	HUMIDITY	Insulation resistance must be over the Std. value at 40±2°C 90-95% 96 hours. <u>after high humidity</u>	MIL-STD-1344	500	-	MΩ	○	-
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10-55 Hz, Total amplitude 1.5 mm, at 2 hours for 3 directions.	MIL-STD-1344	-	-	-	○	-
11	SHOCK	Must have no damage, crack and looseness of parts after 3 cycles at 490 m/s ² in 3 directions.	MIL-STD-1344	-	-	-	○	-
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55 ~ +85°C 3 cycles. Total 5 hours.	MIL-STD-1344	-	-	-	○	-
13	DURABILITY	Must be less than the Std. value after insertion and extraction cycles at the condition described in above item No. 4.		-	-	mΩ	-	-
	CONTACT			-	-	mΩ	-	-
14	SALT SPRAY (CORROSION)	Must not have heavy corrosion after salt water spray for hours.		-	-	-	-	-
15	H ₂ S-EXPOSURE	Must not have heavy corrosion after ppm for hours.		-	-	-	-	-
16	SO ₂ -EXPOSURE	Must not have heavy corrosion after ppm for hours.		-	-	-	-	-

Notes: 1
This temperature includes a rise by heat's generation of connector when electricity passes.

REMARKS * = Number of contacts	APPROVED	<i>K. Yamamoto</i>	'94.4.25	 HIROSE ELECTRIC CO., LTD.	ISSUED BY
	REVIEWED				
	CHECKED	<i>K. Akiyama</i>	'94.4.25		
	DESIGNED	<i>S. Taniwaki</i>	'94.4.19		
	DRAWN	<i>T. Goto</i>	'94.4.16		
DRAWING No. ELC4-083675-01				PART No. DF13-XS-1.25C	
SPECIFICATION SHEET				CODE No. CL536-0001 4	
					0014-6-



Apr. 1. 2017 Copyright 2017 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

TO