

Oct.1.2019 Copyright 2019 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.


△	△	REVISIONS	BY	CHKD	DATE	△	△	REVISIONS	BY	CHKD	DATE
△						△					
△						△					

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

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT.	AT
1	DESIGN-MATERIAL-FINISH	Applicable Std. and ^{AC} 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℃, 90-95% humidity, 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℃, 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>[Signature]</i>	'94.4.25		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	CODE No. 0001 4 CL536-0014-6