



**THE DATASHEET OF  
FX8-100S-SV(22)**



Jul.1.2024 Copyright 2024 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.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
<b>APPLICATION STANDARD</b>									
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C							
	VOLTAGE	AC 100 V							
	CURRENT	0.4 A							
<b>SPECIFICATIONS</b>									
<b>ITEM</b>		<b>TEST METHOD</b>			<b>REQUIREMENT</b>			<b>QT</b>   <b>AT</b>	
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X   X	
MARKING		CONFIRMED VISUALLY.						X   X	
<b>ELECTRICAL CHARACTERISTICS</b>									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			45 mΩ MAX.			X	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)			55 mΩ MAX.			X	
INSULATION RESISTANCE		250 V DC.			100 MΩ MIN.			X	
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X	
<b>MECHANICAL CHARACTERISTICS</b>									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR			INSERTION FORCE : 70N MAX WITHDRAWAL FORCE: 6.5N MIN			X	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			1)CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, FOR 2 h IN 3 DIRECTIONS.			1)NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2)CONTACT RESISTANCE: 55 mΩ MAX.			X	
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			3)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h.			1)CONTACT RESISTANCE: 55 mΩ MAX. 2)INSULATION RESISTANCE: 100 MΩ MIN.			X	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+15~+35→+85→+15~+35°C TIME 30→2~3→30~2~3 min. UNDER 5 CYCLES.			3)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1)CONTACT RESISTANCE: 55 mΩ MAX. 2)NO HEAVY CORROSION.			X	
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD:JEIDA-38)						X	
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>N. Nakamura</i> 02.06.18	<i>N. Nakamura</i> 02.06.18	<i>H. Kawa</i> 02.06.18	<i>J. Yoshimura</i> 02.06.19		
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
<b>HS</b> HIROSE ELECTRIC CO.,LTD.				<b>SPECIFICATION SHEET</b>			PART NO. <b>FX8 -100S - SV (22)</b>		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4 - 150676 - 02			CL 578 - 0205 - 6 - 22			1	



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View FX8-100S-SV\(22\) on WIN SOURCE](#)
- [Hirose Electric Co Ltd Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management