


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC/DC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 90% MAX (NO DEW CONDENSATION IS PERMITTED)		
	CURRENT	0.3A(28pos. side) (*1) 0.5A(10pos. side) (*1)				
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUAL AND WITH MEASURING INSTRUMENT		ACCORDING TO A DRAWING	X	X
MARKING		CONFIRM VISUALLY			X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE [EIA-364-23]		100 mA	Row a: 60 mΩ MAX (*1,2) Row b: 70 mΩ MAX (*1.2) Row c: 80 mΩ MAX (*1.2) Row d: 90 mΩ MAX (*1.2)		X	—
INSULATION RESISTANCE [EIA-364-21]		100 V DC	100 MΩ MIN		X	—
VOLTAGE PROOF [EIA-364-20]		150 V AC FOR 1 min	NO BREAKDOWN LEAKAGE CURRENT 2mA OR LESS		X	—
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 0.4N/PIN MAX WITHDRAWAL FORCE: 0.015N/PIN MIN	X	—
MECHANICAL OPERATION [EIA-364-09]		100TIMES INSERTION AND EXTRACTION		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
RANDOM VIBRATION [EIA-364-28]		FREQUENCY: 20 TO 500 Hz POWER SPECTRAL DENSITY: 0.02 G ² /Hz FOR 60 min IN THREE DIRECTIONS		1) NO ELECTRICAL DISCONTINUITY OF 1μs OR MORE 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
ENVIRONMENTAL CHARACTERISTICS						
THERMAL SHOCK [EIA-364-32]		TEMPERATURE(°C): -55 → 20 ~ 35 → 85 → 20 ~ 35 TIME(min): 30 → 5MAX → 30 → 5MAX UNDER 10 CYCLES		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]		@ 25 °C, 90-95% RH: 120 min DWELL TIME ↓ 120 min RAMP TIME @ 65 °C, 90-95% RH: 120 min DWELL TIME UNDER 60 CYCLES			X	—
DRY HEAT [EIA-364-17]		EXPOSED AT 105°C, 300 HOURS		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
DUST [EIA-364-91]		UNMATED 1 HOUR		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS	X	—
MIXED FLOWING GAS [EIA-364-65]		EXPOSED AT 30 °C, 70% RH Cl ₂ : 10 ppb, NO ₂ : 200 ppb, H ₂ S: 10 ppb, SO ₂ : 100 ppb MATED 10 DAYS		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO HEAVY CORROSION	X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
①	6	DIS-F-00008904		DK. AIMOTO	NH. TAMAI	20210420
REMARK (*1) SPECIFICATION WHEN MATED WITH IT9M3-152P-0.5SH4. (*2) THE VALUE OF CONTACT RESISTANCE INCLUDES THE BULK RESISTANCE.				APPROVED	NH. TAMAI	20191010
				CHECKED	NH. TAMAI	20191010
				DESIGNED	DK. AIMOTO	20191010
				DRAWN	DK. AIMOTO	20191010
NOTE -- QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST				DRAWING NO.		ELC-379971-00-00
		SPECIFICATION SHEET		PART NO.	IT9M3-152S-0.5SV4	
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0636-1801-0-00	① 1/1