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RELAY, ELECTROMAGNETIC, LATCHING, 50VDC, 50A, 1PDT

ESCC Detail Specification No. 3602/014

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DOCUMENTATION CHANGE NOTICE

(Refer to https://escies.org for ESCC DCR content)

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1 **GENERAL**

1.1 SCOPE

This specification details the ratings, physical and electrical characteristics, and test and inspection data for the component type variants and/or the range of components specified below. It supplements the requirements of, and shall be read in conjunction with, the ESCC Generic Specification listed under Applicable Documents.

1.2 <u>APPLICABLE DOCUMENTS</u>

The following documents form part of this specification and shall be read in conjunction with it:

(a) ESCC Generic Specification No. 3602.

1.3 TERMS, DEFINITIONS, ABBREVIATIONS, SYMBOLS AND UNITS

For the purpose of this specification, the terms, definitions, abbreviations, symbols and units specified in ESCC Basic Specification No. 21300 shall apply.

1.4 THE ESCC COMPONENT NUMBER AND COMPONENT TYPE VARIANTS

1.4.1 The ESCC Component Number

The ESCC Component Number shall be constituted as follows:

Example: 36020140128V

Detail Specification Reference: 3602014

• Component Type Variant Number: 01 (as required)

• Characteristic code: Rated Coil Voltage (28Vdc): 28V (as required)

1.4.1.1 Characteristics and/or Ratings Codes

Characteristics and/or ratings to be codified as part of the ESCC Component Number shall be as follows:

(a) Rated Coil Voltage expressed by means of the following codes:

Rated Coil Voltage (Vdc)	Code
48	48V
28	28V
12	12V

1.4.2 Component Type Variants and Range of Components

The component type variants and range of components applicable to this specification are as follows:

Variant Number	Case Description (Note 1)	Rated Coil Voltage (Vdc)	Weight max (g)
01	Vertical 4 Stud Mount	48, 28, 12	150
04	Horizontal Flange Mount	48, 28, 12	165

NOTES:

1. See Para. 1.6.



1.5 MAXIMUM RATINGS

The maximum ratings shall not be exceeded at any time during use or storage.

Maximum ratings shall only be exceeded during testing to the extent specified in this specification and when stipulated in Test Methods and Procedures of the ESCC Generic Specification.

Characteristics	Symbols	Maximum Ratings	Units	Remarks
Coil Voltage Range	Vcr		Vdc	
		45.5 to 55		Rated Coil Voltage: 48Vdc
		26.5 to 32		Rated Coil Voltage: 28Vdc
		11 to 14		Rated Coil Voltage: 12Vdc
Rated Resistive Load	I _{CR}		Α	Note 1
Contact Current		50		Main Contacts; 50Vdc resistive
		2		Auxiliary Contacts; 28Vdc resistive
Rated Inductive Load	IcL	20	Α	Main Contacts; 50Vdc inductive
Contact Current				Note 1
Overload Current	Ioverload		Α	
		100		Main Contacts; 50Vdc resistive
Terminal Nut Torque	-		mN	
		1		Main Contact Terminal Studs
		0.5		Mounting Studs (Variant 01)
Operating	Top	-65 to +125	°C	T _{amb}
Temperature Range	·			
Storage Temperature	T _{stg}	-65 to +125	°C	T _{amb}
Range				
Soldering Temperature	T _{sol}	+260	°C	Auxiliary Contact Solder Hook
				Terminals; Note 2

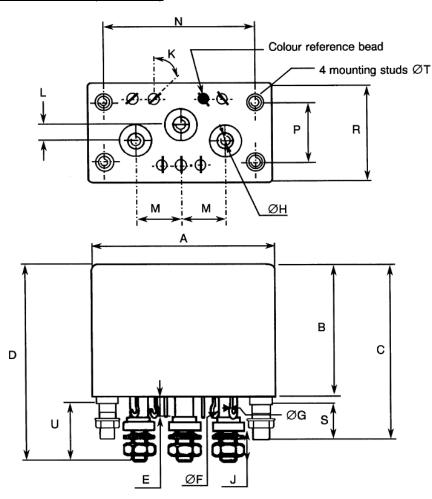
NOTES:

- 1. Relays should not be used in change-over mode where the potential difference between stationary contacts is greater than 10V and the switched current is greater than 100mA.
- 2. Duration 10 seconds maximum at a distance not less than 3mm from the device body. The same terminal shall not be resoldered until 3 minutes have elapsed.



1.6 PHYSICAL DIMENSIONS AND TERMINAL IDENTIFICATION

1.6.1 <u>Vertical Stud Mount (Variant 01)</u>



Symbols	Dimensions		
	(mm)		
	Min Max		
Α	ı	47.8	
В	-	34.6	
С	-	44.7	
D	ı	51.6	
Е	4.5	5.7	
ØF	1.3	1.7	

Symbols	Dimensions		
	(m	m)	
	Min	Max	
ØG	0.71	0.84	
ØH	M4		
J	8.4	9.4	
K	40°	50°	
L	3.8	4.4	
М	10.9	11.5	

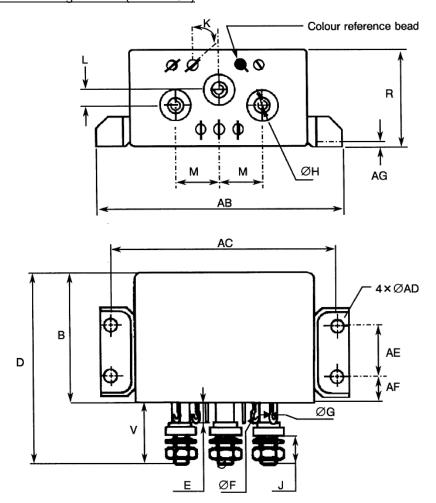
Symbols	Dimensions		
	(mm)		
	Min	Max	
N	37.85	38.35	
Р	14.8	15.35	
R	-	26.2	
S	8.2	8.8	
ØT	М3		
U	15	16.5	

NOTES:

Terminal identification is specified by reference to the colour reference bead and the terminals' configuration. See Para. 1.7.



1.6.2 <u>Horizontal Flange Mount (Variant 04)</u>



Symbols	Dimensions (mm)	
	Min	Max
В	-	34.6
D	-	51.6
Е	4.5	5.7
ØF	1.3	1.7
ØG	0.71	0.84
ØH	M4	

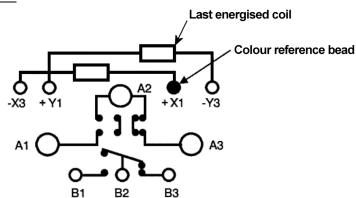
Symbo	ls [Dimensions		
		(m	m)	
	N	/lin	Max	
J	8	3.4	9.4	
K	4	۰0°	50°	
L	3	3.8	4.4	
М	1	0.9	11.5	
R		-	26.2	
V	1	6.5	17.5	

Symbols	Dimensions (mm)	
	Min	Max
AB	-	70
AC	60.2	60.4
ØAD	3.1	3.5
AE	15.8	16
AF	6.9	7.1
AG	1.95	2.05

NOTES:

Terminal identification is specified by reference to the colour reference bead and the terminals' configuration. See Para. 1.7.

1.7 <u>FUNCTIONAL DIAGRAM</u>



A: Main Contacts
B: Auxiliary Contacts

NOTES:

- As viewed from the terminal side.
- 2. Individual terminal designations are for reference purposes only.

1.8 <u>MATERIALS AND FINISHES</u>

1.8.1 Case

Copper nickel, tin-lead alloy plated, hermetically sealed.

1.8.2 Terminals

Main contact studs terminal material and finish shall be type H10, and the auxiliary and coil contacts terminal material and finish shall be type F3 or F19, all in accordance with the requirements of ESCC Basic Specification No. 23500.

Main contact studs shall be equipped with stainless steel nuts and silver plated beryllium copper washers.

1.8.3 Mounting Studs (Variant 01)

Fe-Ni alloy.

2 **REQUIREMENTS**

2.1 GENERAL

The complete requirements for procurement of the components specified herein are as stated in this specification and the ESCC Generic Specification. Permitted deviations from the Generic Specification, applicable to this specification only, are listed below.

Permitted deviations from the Generic Specification and this Detail Specification, formally agreed with specific Manufacturers on the basis that the alternative requirements are equivalent to the ESCC requirement and do not affect the component's reliability, are listed in the appendices attached to this specification.



2.1.1 <u>Deviations from the Generic Specification</u>

2.1.1.1 Deviations from Special In-Process Controls - Chart F2

(a) Seal, Fine Leak: Duration of Pressurisation shall be 5 hours minimum at a pressure of 200kPa.

2.1.1.2 Deviations from Screening Tests - Chart F3

- (a) Vibration Scan: MIL-STD-202, Test Method 214, Test Condition II-E with the following details:
 - Method of Mounting: The relays shall be mounted rigidly by normal mounting means.
 - Duration: 1 minute in the latch position and 1 minute in the reset position. Rated Coil Voltage shall be applied only for contact switch over.
 - Vibration direction: In each of three mutually perpendicular directions.
 - Contact Chatter Monitoring: Closed and open contacts shall be monitored per MIL-STD-202, Test Method 310, Test-circuit B, Test Condition A.
- (b) Seal, Fine Leak: Duration of Pressurisation shall be 5 hours minimum at a pressure of 200kPa.

2.1.1.3 Deviations from Qualification and Periodic Tests - Chart F4

- (a) Seal, Fine Leak: Duration of Pressurisation shall be 5 hours minimum at a pressure of 200kPa.
- (b) Low Level Life (& Inductive Life): Low Level Life shall be performed on auxiliary contacts at the same time and on the same samples being subjected to Inductive Life, with the following details:
 - Test Temperature shall be T_{amb} = +125 (+0 -3)°C.
 - Number of Cycles of Operation of auxiliary contacts shall be 5000.
 - The cycling rate specified for Inductive Life shall be applied.
- (c) Resistive Life: Number of Cycles of Operation shall be 20000 minimum.
- (d) Mechanical Life: Number of Cycles of Operation shall be 90000 minimum.

2.2 MARKING

The marking shall be in accordance with the requirements of ESCC Basic Specification No. 21700 and as follows.

The information to be marked on the component shall be:

- (a) The ESCC qualified components symbol (for ESCC qualified components only).
- (b) The ESCC Component Number (see Para. 1.4.1).
- (c) Traceability information.

2.3 TERMINAL STRENGTH

The terminals of all Variants are defined as rigid.

The test conditions for Terminal Strength, tested as specified in the ESCC Generic Specification, shall be as follows:

- (a) Pull Test: Applied Force:
 - 15N for auxiliary contact solder hook terminals
 - 160N for main contact terminal studs
 - 50N for mounting studs (Variant 01)



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(b) Torque Test per MIL-STD-202, Test Method 211, Test Condition E with the following details:

Applied Torque:

- 1.5Nm for main contact terminal studs
- 0.65Nm for mounting studs (Variant 01)

2.4 <u>ELECTRICAL MEASUREMENTS AT ROOM, HIGH AND LOW TEMPERATURES</u>

Electrical measurements shall be performed at room, high and low temperatures. Consolidated notes are given in Para. 2.4.3.

2.4.1 Room Temperature Electrical Measurements

The measurements shall be performed at $T_{amb} = +22 \pm 3$ °C.

Characteristics	Symbols	Test Method and Conditions	Rated Coil	Lim	its	Units
			Voltage (Vdc)	Min	Max	
Latch Voltage	UL	ESCC No. 3602				V
		Note 1	48	14.3	24	
			28	9.1	14	
			12	3.6	6	
Reset Voltage	U _R	ESCC No. 3602				V
		Note 1	48	14.3	24	
			28	9.1	14	
			12	3.6	6	
Latch Time	t∟	ESCC No. 3602	All	-	20	ms
Reset Time	t _R	ESCC No. 3602	All	-	20	ms
Bounce Time	t _B	ESCC No. 3602	All	-	2	ms
Insulation Resistance	Rı	ESCC No. 3602 V _{TEST} = 100Vdc	All	100	-	МΩ
Voltage Proof	VP	ESCC No. 3602	All	1250	-	Vrms
(Test Voltage)		Maximum Leakage Current I _{LVP} = 1mA		1000	-	
				(Note 2)		
				500	-	
				(Note 3)		
Voltage Proof Leakage Current	I _{LVP}	ESCC No. 3602 Note 4	All	-	1	mA
Contact Voltage	V _D	ESCC No. 3602	All			V
Drop		Main Contacts: 100mA ≤ I _{TEST} ≤ 10A		-	0.0025	
					x I _{TEST}	
		Auxiliary Contacts: I _{TEST} = 100mA max		-	0.05 x	
					I _{TEST}	
Coil Resistance	R_B	ESCC No. 3602				Ω
		Both coils	48	382	486	
			28	130	160	
			12	24	30	



2.4.2 <u>High and Low Temperatures Electrical Measurements</u>

Characteristics	Symbols	Test Method and Conditions	Rated	Li	mits	Units
			Coil	Min	Max	
			Voltage			
			(Vdc)			
Latch Voltage	U_L	ESCC No. 3602				V
		T _{amb} = +125 (+0 -5)°C and -65 (+5 -0)°C	48	-	36	
		Note 1	28	-	18	
			12	-	9	
Reset Voltage	UR	ESCC No. 3602				V
		T _{amb} = +125 (+0 -5)°C and -65 (+5 -0)°C	48	-	36	
		Note 1	28	-	18	
			12	-	9	
Latch Time	t∟	ESCC No. 3602	All	-	20	ms
		T _{amb} = +125 (+0 -5)°C and -65 (+5 -0)°C				
Reset Time	t _R	ESCC No. 3602	All	-	20	ms
		T _{amb} = +125 (+0 -5)°C and -65 (+5 -0)°C				
Bounce Time	t _B	ESCC No. 3602	All	-	2	ms
		T _{amb} = +125 (+0 -5)°C and -65 (+5 -0)°C				
Insulation	Rı	ESCC No. 3602	All	50	-	МΩ
Resistance		$T_{amb} = +125 (+0 -5)^{\circ}C$				
		V _{TEST} = 100Vdc				
Contact	V_D	ESCC No. 3602	All			V
Voltage Drop		T _{amb} = +125 (+0 -5)°C and -65 (+5 -0)°C				
		Main Contacts: 100mA ≤ I _{TEST} ≤ 10A		-	0.0025	
					x I _{TEST}	
		Auxiliary Contacts: ITEST = 100mA max		-	0.05 x	
					ITEST	

2.4.3 <u>Notes to Electrical Measurements Tables</u>

- 1. The coil voltage rise time shall be less than $0.1t_L$ or $0.1t_R$. The coil voltage shall be maintained for a minimum duration of $10t_L$ or $10t_R$.
- 2. Between coil and case, between open main contacts, between latch and reset coils.
- 3. Between open auxiliary contacts.
- 4. Measured during Voltage Proof test.



2.5 PARAMETER DRIFT VALUES

Parameter Drift Values shall be measured as specified in the ESCC Generic Specification.

Unless otherwise specified, the measurements shall be performed at T_{amb} = +22 ±3°C.

The test methods and test conditions shall be as per the corresponding test defined in Para. 2.4.1 Room Temperature Electrical Measurements.

The corresponding absolute limit values for each characteristic shall not be exceeded.

Characteristics	Symbols	Limits			Units
		Drift Value	Absolute		
		Δ	Min	Max	
Latch Voltage	UL	Note 1	Note 2	Note 2	V
Reset Voltage	UR	Note 1	Note 2	Note 2	V

NOTES:

- 1. Drift Value (Δ) limits are not specified. Drift Values shall be recorded for information purposes only.
- 2. The limit specified in Para. 2.4.1 shall apply.

2.6 INTERMEDIATE AND END-POINT ELECTRICAL MEASUREMENTS

Unless otherwise specified, the measurements shall be performed at T_{amb} = +22 ±3°C.

Unless otherwise specified the test methods and test conditions shall be as per the corresponding test defined in Para. 2.4.1 Room Temperature Electrical Measurements.

Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Max	
Thermal Shock	During 5th Cycle		·		
	Latch Voltage	U_L	Note 2		V
	Reset Voltage	UR	Note 2		V
	Latch Time	t∟	Note 2		ms
	Reset Time	t _R	Note 2		ms
	Final Measurements				
	Voltage Proof	VP	Not	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	Not	te 3	mA



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Max	
Low Level Sine	Final Measurements				
Vibration	Latch Voltage	UL	No	te 3	V
	Latch Voltage Drift	$\Delta U_L/U_L$	No	te 1	%
	Reset Voltage	U _R	No	te 3	V
	Reset Voltage Drift	ΔU _R /U _R	No	te 1	%
High Level Sine	Final Measurements				
Vibration	Latch Voltage	UL	No	te 3	V
	Latch Voltage Drift	ΔUL/UL	No	te 1	%
	Reset Voltage	U _R	No	te 3	V
	Reset Voltage Drift	ΔU _R /U _R	No	te 1	%
Low Level	Final Measurements				
Mechanical Shock	Contact Voltage Drop:	V _D			V
	main contacts		No	te 3	
	auxiliary contacts		No	te 3	
	Latch Voltage	U∟	No	te 3	V
	Latch Voltage Drift	$\Delta U_L/U_L$	No	te 1	%
	Reset Voltage	U_{R}	No	te 3	V
	Reset Voltage Drift	ΔU _R /U _R	No	te 1	%
	Voltage Proof	VP	No	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
High Level	Final Measurements				
Mechanical Shock	Contact Voltage Drop:	V_D			V
	main contacts		No	te 3	
	auxiliary contacts		No	te 3	
	Latch Voltage	U∟	No	te 3	V
	Latch Voltage Drift	$\Delta U_L/U_L$	No	te 1	%
	Reset Voltage	UR	No	te 3	V
	Reset Voltage Drift	ΔU _R /U _R	No	te 1	%
	Voltage Proof	VP	No	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Min Max	
Resistance to	Final Measurements				
Soldering Heat	Insulation Resistance	Rı	Not	te 3	МΩ
	Contact Voltage Drop:	V _D			V
	main contacts		Not	te 3	
	auxiliary contacts		Not	te 3	
	Latch Voltage	U_L	Not	te 3	V
	Reset Voltage	UR	Not	te 3	V
	Coil Resistance	R _B	Not	te 3	Ω
Low Level Life	Final Measurements				
(on Auxiliary Contacts only)	Contact Voltage Drop:	V _D			V
,	main contacts		Note 3		
	auxiliary contacts		-	0.1 x I _{TEST}	
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	between auxiliary contacts		500	-	
	all other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	Not	te 3	mA
	Latch Voltage	UL	Not	te 3	V
	Latch Voltage Drift	$\Delta U_L/U_L$	Not	te 1	%
	Reset Voltage	U _R	Not	te 3	V
	Reset Voltage Drift	$\Delta U_R/U_R$	Not	te 1	%
	Latch Time	t∟	Not	te 3	ms
	Reset Time	t _R	Not	te 3	ms
	Bounce Time	t _B	Not	te 3	ms
	Coil Resistance	R _B	Not	te 3	Ω





V	Max	Min			Test Reference per	
V				(Note 1)	ESCC No. 3602	
V				During Monitoring	Inductive Life	
			V_D	Contact Voltage Drop:	(on Main Contacts only)	
1	5	-		main contacts	oy	
	l	!		Final Measurements		
V			V_D	Contact Voltage Drop:		
	0.003 x I _{TEST}	-		main contacts		
	Note 3			auxiliary contacts		
МΩ	-	50	Rı	Insulation Resistance		
Vrms			VP	Voltage Proof:		
	-	500		between auxiliary contacts		
	-	1000		all other points		
mA	te 3	Not	I _{LVP}	Voltage Proof Leakage Current		
V	te 3	Not	U_L	Latch Voltage		
%	te 1	Not	∆U∟/U∟	Latch Voltage Drift		
V	te 3	Not	U _R	Reset Voltage		
%	te 1	Not	ΔUR/UR	Reset Voltage Drift		
ms	te 3	Not	t∟	Latch Time		
ms	te 3	Not	t _R	Reset Time		
ms	te 3	Not	t _B	Bounce Time		
	te 3 te 1 te 3 te 3	Not Not Not	U_R $\Delta U_R/U_R$ t_L t_R	Reset Voltage Reset Voltage Drift Latch Time Reset Time		

 R_B

Note 3

Ω

Coil Resistance

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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Max	
Resistive Life	During Monitoring				
	Contact Voltage Drop:	VD			V
	main contacts		-	5	
	auxiliary contacts		-	2.8	
	<u>Final Measurements</u>			ı	
	Contact Voltage Drop:	V_D			V
	main contacts		-	0.003 x I _{TEST}	
	auxiliary contacts		-	0.1 x I _{TEST}	
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP		·	Vrms
	between auxiliary contacts		500	-	
	all other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
	Latch Voltage	U∟	No	te 3	V
	Latch Voltage Drift	ΔU _L /U _L	No	te 1	%
	Reset Voltage	U_R	No	te 3	V
	Reset Voltage Drift	$\Delta U_R/U_R$	No	te 1	%
	Latch Time	t∟	No	te 3	ms
	Reset Time	t _R	No	te 3	ms
	Bounce Time	t _B	No	te 3	ms
	Coil Resistance	R _B	No	te 3	Ω



Note 3

ms

 t_{B}



Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Max	
Coil Life	During Step 1 of each Cycle				
	Contact Voltage Drop:	V _D			V
	main contacts		No	te 3	
	auxiliary contacts		No	te 3	
	Coil Resistance	R _B	No	te 3	Ω
	During Step 3 of 1st Cycle				
	Contact Voltage Drop	V_D	No	te 2	V
	Latch Time	t⊨	Note 2		ms
	Reset Time	t _D	No	te 2	ms
	During Steps 4 & 5 of 4th Cycle				
	Latch Voltage	UL	No	te 2	V
	Reset Voltage	UR	No	te 2	V
	Final Measurements				
	Voltage Proof	VP	No	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
	Insulation Resistance	Rı	No	te 3	МΩ
	Contact Voltage Drop:	V _D			V
	main contacts		No	te 3	
	auxiliary contacts		No	te 3	
	Coil Resistance	R _B	No	te 3	Ω
	Latch Time	t∟	No	te 3	ms
	Reset Time	t _R	No	te 3	ms

Bounce Time



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Max	
Intermediate Current	During Monitoring				
	Contact Voltage Drop:	VD			mV
	main contacts		-	200	
	auxiliary contacts		-	300	
	Final Measurements			I	
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	between auxiliary contacts		500	-	
	all other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	Note 3		mA
	Latch Voltage	UL	Note 3		V
	Latch Voltage Drift	ΔU _L /U _L	Note 1		%
	Reset Voltage	U _R	No	te 3	V
	Reset Voltage Drift	ΔU _R /U _R	No	te 1	%
	Latch Time	t _L	No	te 3	ms
	Reset Time	t _R	No	te 3	ms
	Bounce Time	t _B	Note 3 n		ms
	Coil Resistance	R _B	Note 3		Ω
	Contact Voltage Drop:	VD			V
	main contacts		-	0.003 x I _{TEST}	
	auxiliary contacts		-	0.1 x I _{TEST}	



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602	(Note 1)		Min	Max	
Mechanical Life	Final Measurements				
	Contact Voltage Drop:	V _D			V
	main contacts		-	0.003 x	
	auxiliary contacts		-	I _{TEST} 0.1 x I _{TEST}	
	Latch Voltage	UL	No	te 3	V
	Latch Voltage Drift	$\Delta U_L/U_L$	No	te 1	%
	Reset Voltage	U _R	No	te 3	V
	Reset Voltage Drift	ΔU _R /U _R	No	te 1	%
	Latch Time	t∟	No	te 3	ms
	Reset Time	t _R	No	te 3	ms
	Bounce Time	t _B	No	te 3	ms
	Coil Resistance	R _B	No	te 3	Ω
Overload	During Monitoring				
	Contact Voltage Drop:	V _D			V
	main contacts		-	5	
	auxiliary contacts		-	1.4	
	Final Measurements				
	Contact Voltage Drop:	V _D			V
	main contacts		-	0.003 x I _{TEST}	
	auxiliary contacts		-	0.1 x I _{TEST}	
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	between auxiliary contacts		500	-	
	all other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
	Latch Voltage	UL	No	te 3	V
	Latch Voltage Drift	ΔUL/UL	No	te 1	%
	Reset Voltage	U_R	No	te 3	V
	Reset Voltage Drift	$\Delta U_R/U_R$	No	te 1	%
	Latch Time	t∟	No	te 3	ms
	Reset Time	t _R	No	te 3	ms
	Bounce Time	t _B	No	te 3	ms
	Coil Resistance	R _B	No	te 3	Ω





NOTES:

- 1. Parameter Drift shall be calculated referenced to the measurement immediately prior to the test in question. An additional initial measurement may be performed prior to the test in question if considered necessary. Drift limits are not specified. Drift Values shall be recorded for information purposes only.
- 2. The limits specified in Para. 2.4.2, as applicable to the same test temperature, shall apply.
- 3. The limits specified in Para. 2.4.1 shall apply.

2.7 RUN-IN CONDITIONS

The test conditions for Run-in, tested as specified in the ESCC Generic Specification, shall be as follows:

(a) Test Temperature: +22 ±3°C.





APPENDIX A AGREED DEVIATIONS FOR REL STPI (F)

ITEMS AFFECTED	DESCRIPTION OF DEVIATIONS
Para. 2.1.1 Deviations from the	High Level Sine Vibration: Not Applicable
Generic Specification:	High Level Mechanical Shock: Not Applicable
Lot Validation Testing – Chart F4	.,