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RELAY, ELECTROMAGNETIC, LATCHING, 28VDC, 15A, 2PDT

ESCC Detail Specification No. 3602/009

Issue 7 June 2021



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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: 36020090328V

Detail Specification Reference: 3602009

Component Type Variant Number: 03 (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
28	28V
12	12V



1.4.2 <u>Component Type Variants and Range of Components</u>

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

Variant	Case and Terminal Description	Rated Coil	Coil	Weight
Number	(Note 1)	Voltage	Resistance	max
		(Vdc)	(Ω)	(g)
03	Raised Vertical Flange Mount	28	300	46
	Solder Pin Terminals	12	60	
04	Raised Vertical Flange Mount	28	300	46
	Solder Hook Terminals	12	60	
05	Horizontal Flange Mount	28	300	46
	Solder Pin Terminals	12	60	
06	Horizontal Flange Mount	28	300	46
	Solder Hook Terminals	12	60	
08	Raised Vertical Flange Mount	28	300	46
	Solder Pin Terminals with Polarizing Pin	12	60	
09	Horizontal Flange Mount	28	300	46
	Solder Pin Terminals with Polarizing Pin	12	60	
13	Raised Vertical Flange Mount	28	600	46
	Solder Pin Terminals	12	150	
14	Raised Vertical Flange Mount	28	600	46
	Solder Hook Terminals	12	150	
15	Horizontal Flange Mount	28	600	46
	Solder Pin Terminals	12	150	
16	Horizontal Flange Mount	28	600	46
	Solder Hook Terminals	12	150	
18	Raised Vertical Flange Mount	28	600	46
	Solder Pin Terminals with Polarizing Pin	12	150	
19	Horizontal Flange Mount	28	600	46
	Solder Pin Terminals with Polarizing Pin	12	150	

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	26.5 to 32 11 to 14.5	Vdc	Rated Coil Voltage: 28Vdc Rated Coil Voltage: 12Vdc
Rated Resistive Load Contact Current	I _{CR}	15	Α	28Vdc resistive Note 1
Rated Inductive Load Contact Current	IcL	8	А	28Vdc inductive Note 1
Overload Current	IOVERLOAD	40	Α	28Vdc resistive
Operating Temperature Range	Тор	-65 to +125	°C	T _{amb}
Storage Temperature Range	T_{stg}	-65 to +125	°C	T _{amb}
Soldering Temperature	T _{sol}	+260	°C	Note 2

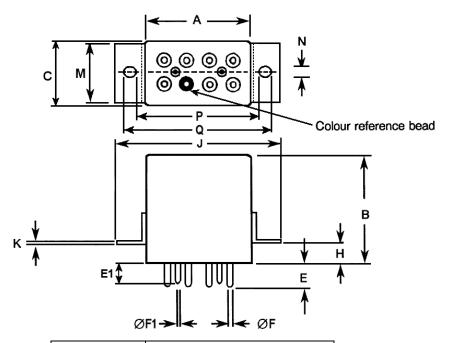
NOTES:

- 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 Raised Vertical Flange Mount and Solder Pin Terminals (Variants 03, 13)



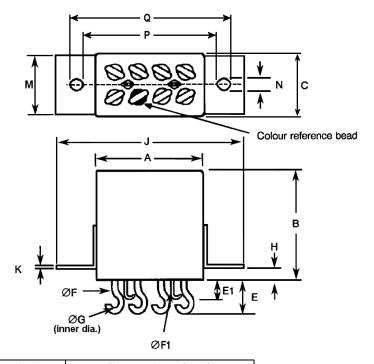
Symbols	Dimensions (mm)		
	Min	Max	
А	-	26	
В	-	25.7	
С	-	13.3	
E	6.7	7.1	
E1	6.1	6.6	
ØF	1.55	1.62	
ØF1	0.73	0.81	
Н	3.8	4.2	
J	-	43.6	
K	0.9	1.1	
М	-	12.3	
N	3.7	3.9	
Р	31.15	32.15	
Q	40	41	

NOTES:

1. Terminal identification is specified by reference to the colour reference bead. See Para. 1.7.



1.6.2 Raised Vertical Flange Mount and Solder Hook Terminals (Variants 04, 14)



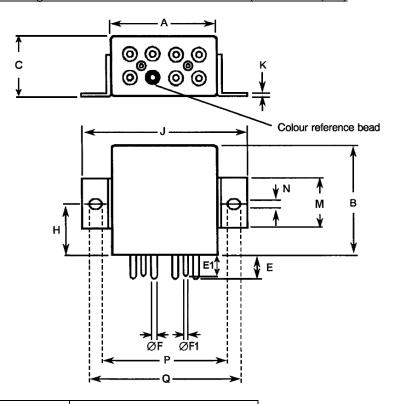
Symbols	Dimensions (mm)		
	Min	Max	
А	-	26	
В	-	25.7	
С	-	13.3	
E	-	8	
E1	-	4.5	
ØF	1.54	1.62	
ØF1	0.71	0.81	
ØG	1.75	2.25	
Н	3.8	4.2	
J	-	43.6	
K	0.9	1.1	
M	-	12.3	
N	3.7	3.9	
Р	31.15	32.15	
Q	40	41	

NOTES:

1. Terminal identification is specified by reference to the colour reference bead. See Para. 1.7.



1.6.3 Horizontal Flange Mount and Solder Pin Terminals (Variants 05, 15)

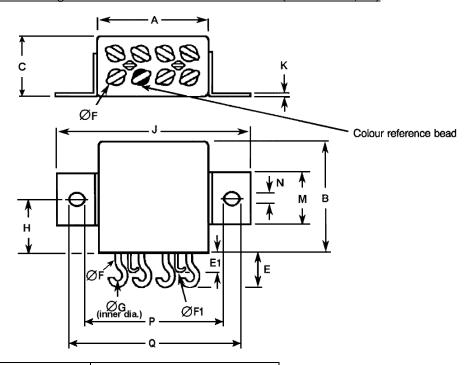


Symbols	Dimensions (mm)	
	Min	Max
А	-	26
В	-	25.7
С	-	13.3
E	6.7	7.1
E1	6.1	6.6
ØF	1.55	1.62
ØF1	0.73	0.81
Н	12.5	12.9
J	-	43.6
K	0.9	1.1
M	-	12.3
N	3.7	3.9
Р	31.15	32.15
Q	40	41

NOTES: Terminal identification is specified by reference to the colour reference bead. See Para. 1.7.



1.6.4 Horizontal Flange Mount and Solder Hook Terminals (Variants 06, 16)

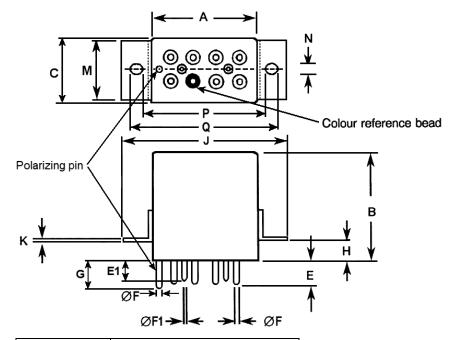


Symbols	Dimensions (mm)		
	Min	Max	
A	-	26	
В	-	26	
С	-	13.3	
E	-	8	
E1	-	4.5	
ØF	1.54	1.62	
ØF1	0.71	0.81	
ØG	1.75	2.25	
Н	12.5	12.9	
J	-	43.6	
K	0.9	1.1	
M	-	12.3	
N	3.7	3.9	
Р	31.15	32.15	
Q	40	41	

NOTES:1. Terminal identification is specified by reference to the colour reference bead. See Para. 1.7.



1.6.5 Raised Vertical Flange Mount and Solder Pin Terminals with Polarizing Pin (Variants 08, 18)



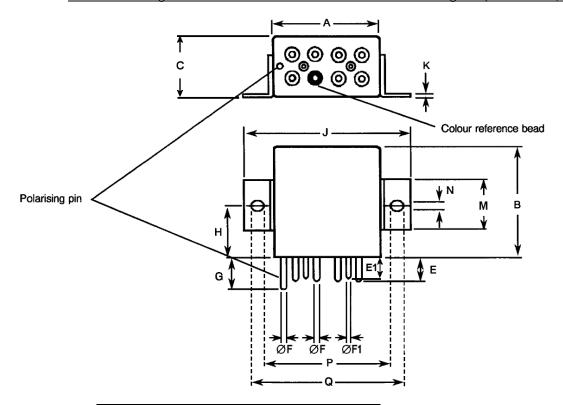
Symbols	Dimensions (mm)		
	Min		
А		26	
В	-	25.7	
С	-	13.3	
E	6.7	7.1	
E1	6.1	6.6	
ØF	1.55	1.62	
ØF1	0.73	0.81	
G	7.4	8	
Н	3.8	4.2	
J	-	43.6	
K	0.9	1.1	
М	-	12.3	
N	3.7	3.9	
Р	31.15	32.15	
Q	40	41	

NOTES:

1. Terminal identification is specified by reference to the colour reference bead. See Para. 1.7.



1.6.6 Horizontal Flange Mount and Solder Pin Terminals with Polarizing Pin (Variants 09, 19)



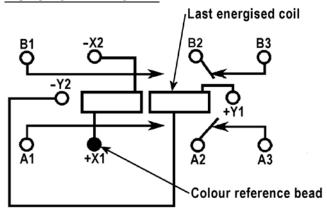
Symbols	Dimensions (mm)		
	Min		
Α	-	26	
В	-	25.7	
С	-	13.3	
E	6.7	7.1	
E1	6.1	6.6	
ØF	1.55	1.62	
ØF1	0.73	0.81	
G	7.4	8	
Н	12.5	12.9	
J	-	43.6	
K	0.9	1.1	
M	-	12.3	
N	3.7	3.9	
Р	31.15	32.15	
Q	40	41	

NOTES:

1. Terminal identification is specified by reference to the colour reference bead. See Para. 1.7.



1.7 **FUNCTIONAL DIAGRAM**



NOTES:

- As viewed from the terminal side. 1.
- 2. Individual terminal designations are for reference purposes only.

1.8 MATERIALS AND FINISHES

1.8.1 <u>Case</u>

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

1.8.2 **Terminals**

The lead material and finish shall by type H3, H4 or H19 in accordance with the requirements of ESCC Basic Specification No. 23500.

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 **Deviations from the Generic Specification**

None

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:

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

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2.3 <u>TERMINAL STRENGTH</u>

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:
 - 50N for 1.6mm diameter terminals
 - 15N for 0.7mm diameter terminals

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		Limits		Units
			Voltage (Vdc)	Min	Max	
Latch Voltage	UL	ESCC No. 3602				V
		Note 1	28	8	14	
			12	3.6	6.6	
Reset Voltage	U _R	ESCC No. 3602				V
		Note 1	28	8	14	
			12	3.6	6.6	
Latch Time	t∟	ESCC No. 3602	All	-	15	ms
Reset Time	t _R	ESCC No. 3602	All	-	15	ms
Bounce Time	t _B	ESCC No. 3602	All	-	1	ms
Insulation	Rı	ESCC No. 3602	All	100	-	МΩ
Resistance		V _{TEST} = 500Vdc				
Voltage Proof	VP	ESCC No. 3602	All	1250	-	Vrms
(Test Voltage)		Maximum Leakage Current		1000	-	
		I _{LVP} = 1mA		(Note 2)		
				350	-	
				(Note 3)		
Voltage Proof	I _{LVP}	ESCC No. 3602	All	-	1	mA
Leakage Current		Note 4	A.II		0.04	
Contact Voltage	V _D	ESCC No. 3602	All	-	0.01 x I _{TEST}	V
Drop Coil Resistance	R _B	100mA ≤ I _{TEST} ≤ 15A ESCC No. 3602				Ω
Con resistance	IVB	Both coils				22
		Variants 03, 04, 05, 06, 08, 09	28	270	330	
		Variants 03, 04, 05, 06, 08, 09	12	54	66	
		Variants 13, 14, 15, 16, 18, 19	28	540	660	
		Variants 13, 14, 15, 16, 18, 19	12	135	165	

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2.4.2 High and Low Temperatures Electrical Measurements

Characteristics	Symbols	Test Method and	Rated Coil	I	_imits	Units
		Conditions	Voltage (Vdc)	Min	Max	
Latch Voltage	UL	ESCC No. 3602				V
		$T_{amb} = +125 (+0 -5)^{\circ}C$	28	-	18	
		and -65 (+5 -0)°C Note 1	12	-	9	
Reset Voltage	UR	ESCC No. 3602				V
		$T_{amb} = +125 (+0.5)^{\circ}C$	28	-	18	
		and -65 (+5 -0)°C Note 1	12	-	9	
Latch Time	t∟	ESCC No. 3602	All	-	15	ms
		$T_{amb} = +125 (+0 -5)^{\circ}C$				
		and -65 (+5 -0)°C				
Reset Time	t _R	ESCC No. 3602	All	-	15	ms
		$T_{amb} = +125 (+0 -5)^{\circ}C$				
		and -65 (+5 -0)°C				
Bounce Time	t _B	ESCC No. 3602	All	-	1	ms
		$T_{amb} = +125 (+0 -5)^{\circ}C$				
		and -65 (+5 -0)°C				
Insulation	Rı	ESCC No. 3602	All	50	-	МΩ
Resistance		$T_{amb} = +125(+0.5)^{\circ}C$				
		V _{TEST} = 500Vdc				
Contact Voltage	V_D	ESCC No. 3602	All	-	0.01 x I _{TEST}	V
Drop		$T_{amb} = +125 (+0 -5)^{\circ}C$				
		and -65 (+5 -0)°C				
		$100\text{mA} \le I_{\text{TEST}} \le 15\text{A}$				

2.4.3 Notes to Electrical Measurements Tables

- 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.
- 3. Between latch and reset coils.
- 4. Measured during Voltage Proof test.

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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 Δ	Absolute		
		_	Min	Max	
Latch Voltage	UL	Note 1	Note 2	Note 2	V
Reset Voltage	U _R	Note 1	Note 2	Note 2	V

NOTES:

- 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 <u>INTERMEDIATE AND END-POINT ELECTRICAL MEASUREMENTS</u>

Unless otherwise specified, the measurements shall be performed at $T_{amb} = +22 \pm 3$ °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			Min	Max	
Thermal Shock	During 5th Cycle				
	Latch Voltage	U∟	Not	te 2	V
	Reset Voltage	UR	Not	te 2	V
	Latch Time	t∟	Not	te 2	ms
	Reset Time	t _R	Not	te 2	ms
	Final Measurements				
	Voltage Proof	VP	Not	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	Not	te 3	mA



Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602			Min	Max	
Low Level Sine	Final Measurements				
Vibration	Latch Voltage	U∟	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	%
High Level Sine	Final Measurements				
Vibration	Latch Voltage	UL	Not	te 3	V
	Latch Voltage Drift	ΔUL/UL	Not	te 1	%
	Reset Voltage	U_{R}	Not	te 3	V
	Reset Voltage Drift	$\Delta U_R/U_R$	Not	te 1	%
Low Level	Final Measurements				
Mechanical Shock	Contact Voltage Drop	V_D	Not	te 3	V
	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	%
	Voltage Proof	VP	Not	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	Not	te 3	mA
High Level	Final Measurements				
Mechanical Shock	Contact Voltage Drop	V_D	Not	te 3	V
	Latch Voltage	U∟	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	%
	Voltage Proof	VP	Not	te 3	Vrms
	Voltage Proof Leakage Current	I _{LVP}	Not	te 3	mA
Resistance to	Final Measurements				
Soldering Heat	Insulation Resistance	Rı	Not	te 3	МΩ
	Contact Voltage Drop	V_D	Not	te 3	V
	Latch Voltage	U∟	Not	te 3	V
	Reset Voltage	U _R	Not	te 3	V
	Coil Resistance	R _B	Not	te 3	Ω



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602			Min	Max	
Inductive Life	During Monitoring				
	Contact Voltage Drop	V_D	-	2.8	V
	E'aslMass assessed				
	Final Measurements				
	Contact Voltage Drop	V _D	-	0.015 x I _{TEST}	V
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	Between latch and reset coils		350	-	
	All other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
	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	%
	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	Rв	No	te 3	Ω



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602			Min	Max	
Resistive Life	During Monitoring				
	Contact Voltage Drop	V _D	-	2.8	V
	Final Measurements				
	Contact Voltage Drop	V _D	-	0.015 x I _{TEST}	V
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	Between latch and reset coils		350	-	
	All other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
	Latch Voltage	U∟	No	te 3	V
	Latch Voltage Drift	∆U∟/U∟	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	Rв	No	te 3	Ω



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602			Min	Max	
Coil Life	During Step 1 of each Cycle				
	Contact Voltage Drop	V _D	No	te 3	V
	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⊨	No	te 2	ms
	Reset Time	t _D	No	te 2	ms
	During Steps 4 & 5 of 4th Cycle				
	Latch Voltage	U∟	No	te 2	V
	Reset Voltage	U _R	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	No	te 3	V
	Coil Resistance	Rв	No	te 3	Ω
	Latch Time	t∟	No	te 3	ms
	Reset Time	t _R	No	te 3	ms
	Bounce Time	t _B	No	te 3	ms



Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602			Min	Max	
Intermediate Current	During Monitoring Contact Voltage Drop: Pole 1; Group 1, 2, 3 (15A) Pole 2; Group 1 (0.5A) Pole 2; Group 2 (0.3A) Pole 2; Group 3 (0.1A)	V _D	- - -	175 30 18 6	mV
	Final Measurements			ı	
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	Between latch and reset coils		350	-	
	All other points		1000	-	
	Voltage Proof Leakage Current	I _{LVP}	No	te 3	mA
	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	$\Delta U_R/U_R$	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
	Contact Voltage Drop	V _D	-	0.015 x I _{TEST}	V
Mechanical Life	Final Measurements			•	
	Contact Voltage Drop	V _D	-	0.015 x I _{TEST}	V
	Latch Voltage	UL	No	te 3	V
	Latch Voltage Drift	∆U∟/U∟	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



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Test Reference per	Characteristics	Symbols	Lin	nits	Units
ESCC No. 3602			Min	Max	
Overload	During Monitoring				
	Contact Voltage Drop	V_D	-	2.8	V
	Final Measurements			l	
	Contact Voltage Drop	V _D	-	0.015 x I _{TEST}	V
	Insulation Resistance	Rı	50	-	МΩ
	Voltage Proof:	VP			Vrms
	Between latch and reset coils		350	-	
	All other points		1000	-	
	Voltage Proof Leakage Current	I_{LVP}	No	te 3	mA
	Latch Voltage	U∟	No	te 3	V
	Latch Voltage Drift	∆U∟/U∟	No	te 1	%
	Reset Voltage	UR	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

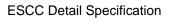
NOTES:

- 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.



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APPENDIX A AGREED DEVIATIONS FOR LEACH INTERNATIONAL EUROPE (F)

ITEMS AFFECTED	DESCRIPTION OF DEVIATIONS
Para. 1.8.2 Materials and Finishes: Terminals	Terminal material shall be Iron-Cobolt.
Para. 2.1.1 Deviations from the Generic Specification:	Chart F4: Coil Life subgroup test sequence (under Endurance Subgroup 1):
Qualification and Periodic Tests - Chart F4	Coil Life and the subsequent tests shall only be performed for Qualification. They are not required for Periodic Testing except in the case of any significant change to the design.



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APPENDIX B AGREED DEVIATIONS FOR REL STPI (F)

ITEMS AFFECTED	DESCRIPTION OF DEVIATIONS
Para. 2.1.1 Deviations from the Generic Specification:	Chart F4: Coil Life subgroup test sequence (under Endurance Subgroup 1):
Qualification and Periodic Tests - Chart F4	Coil Life and the subsequent tests shall only be performed for Qualification. They are not required for Periodic Testing except in the case of any significant change to the design.