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P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	31JUL2019	RV	DH

E7012

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-004

CONFIGURATION CONTROL SERIALIZATION

TERM. BLOCK PART NO. E32650-2

HARDWARE ASSY PART NO. E37512-02

PACKAGING ASSY PART NO. E37514-01

COIL ASSEMBLY (DC)			
VOLT CODE	NOMIAL VOLTAGE	FREQ. HZ	ASSEMBLY PART NO.
M	28V	DC	E32275-01
N	48V	DC	E32275-02
O	24V	DC	E32275-03
P	125V	DC	E32275-04
Q	12V	DC	E32275-05
R	60V	DC	E32275-06
S	250V	DC	E32275-07
T	550V	DC	E32275-08
U	15V	DC	E32275-09
V	32V	DC	E32275-10
W	96V	DC	E32275-11
Y	6V	DC	E32275-12
Z	220V	DC	E32275-13
X10	130V	DC	E32275-23

TIMING ASSEMBLIES					
TIME CODE	TIME RANGE	TIME COMP. ASSY P/N	ALT TIME COMP ASSY P/N SEE NOTE 3	TIME HEAD ASSY P/N	ALT TIME COMP ASSY P/N SEE NOTE 3
A	.1-1 SEC.	E37508-01	E37508-10	E37510-06	E32625-06
B	.5-5 SEC.	E37508-02	E37508-11		
C	1.5-15 SEC.	E37508-03	E37508-12		
D	5-50 SEC.	E37508-04	E37508-13		
E	20-200 SEC.	E37508-05	E37508-14	E37510-02	E32625-02
F	1-10 MIN.	E37508-06	E37508-15		
H	3-30 MIN.	E37508-07	E37508-16		
I	6-60 MIN.	E37508-08	E37508-17		
K	1-300 SEC.	E37508-09	E37508-18		


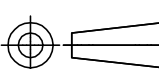
FACTORY INSTALLED OPTIONS		
OPTION CODE	OPTION	OPTION PART NO.
A1	SINGLE Q.C. TERMINALS	32728-02
A2	DOUBLE Q.C. TERMINALS	32729-02
B	PLUG-IN TERMINALS	32730-02
BC	PLUG-IN & RECEPT. (ST)	32731-02
BD	PLUG-IN & RECEPT. (Q.C)	32732-02
GZ	ENCLOSURE, NEMA 2	32733-03
I1	TAMPER PROOF COVER (BLACK)	32734-05
I2	TAMPER PROOF COVER (CLEAR)	32734-06
K	EXPL. PROOF ENCLOSURE	32807-03
M	DUST TIGHT GASKETS	32737-02
P	OCTAL PLUG-IN	32738-02
S	DIAL STOPS	32741-02
T	AUX.SWITCH T.S. TIMING	32742-03
U	DUST TIGHT ENCLOSURE	32744-04
W	WATER-TIGHT ENCL.NEMA 4	32745-04
L	AUX.SW. (INST. XFER)	32739-05
LL	(2) AUX.SW. (INST. XFER)	32739-07

Models E7012 and E7022 (Mounting Dimensions)

NOTES:

- ALL ES1000 QUALIFIED UNITS (E7000 SERIES UNITS W/O INSTALLED OPTIONS) ARE INTENDED FOR VERTICAL OPERATION ONLY.
- PERFORMANCE SPECIFICATIONS AS REQUIRED TO ES1000 QUALIFIED UNITS ARE NOT VALID FOR MODELS WITH FACTORY INSTALLED OPTIONS.
- USE ALTERNATE TIMING COMPONENT ASSEMBLY AS SPECIFIED WHEN FACTORY INSTALLED OPTION "L" OR "LL" IS INDICATED BY MODEL CODE.
- USE ALTERNATE TIMING HEAD ASSEMBLY AS SPECIFIED WHEN FACTORY INSTALLED OPTION "L", "LL" OR "T" IS INDICATED BY MODEL CODE.
- DIELECTRIC TEST PER TP-TRE-01.
- CALIBRATION TEST PER TPTRE-02.
- QUALITY ASSURANCE TEST PER ATP-TRE-01.
- PREPARE DATA PACK PER 37021-01.
- MARK RELAYS PER PS-61.

ALL DIMENSIONS ARE IN INCHES[MM]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RV	31JUL2019	 TE Connectivity	
		CHK RV	31JUL2019		
		APVD DH	31JUL2019	NAME	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		E7000 SERIES TIMING RELAY	
		0 PLC ± -		-	
		1 PLC ± -		-	
MATERIAL		2 PLC ± -		-	
		3 PLC ± -		-	
		4 PLC ± -		-	
		ANGLES ± -		-	
		FINISH		-	
		WEIGHT		-	
CUSTOMER DRAWING		SIZE	A3	CAGE CODE	-
		DRAWING NO	E7000-SERIES		RESTRICTED TO
		SCALE	NTS	SHEET	1 OF 2
		REV	A		

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P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

Ordering Information

Catalog Number Code

E

Nuclear Safety Related

70

AGASTAT 7000 Series Timing Relay

1

Operation
1 - On-delay
2 - Off-delay

2

Contact Arrangement
2 - Double Pole Double Throw
4 - Four Pole Double Throw

A

Coil Voltage

A

Time Range
E7012, E7022

**004

Configuration Code

Code	Code
A 120V 60 Hz	A .1 to 1 sec.
B 110V 50 Hz	B .5 to 5 sec.
C 240V 60Hz	C 1.5 to 15 sec.
D 220V 50Hz	D 5 to 50 sec.
E 480V 60Hz	E 20 to 200 sec.
F 550V 60Hz	F 1 to 10 min.
G 24V 60Hz	H 3 to 30 min.
H 12V 60Hz	I 6 to 60 min.
I 6V 60Hz	K 1 to 300 sec.
J 208V 60Hz	
	*E7014
	A .2 to 2 sec.
	B .7 to 7 sec.
	C 2 to 20 sec.
	D 10 to 100 sec.
	E 30 to 300 sec.
	F 1.5 to 15 min.
	H 3 to 30 min.
	E7024
	A .1 to 1 sec.
	B .5 to 5 sec.
	C 1.5 to 15 sec.
	D 5 to 50 sec.
	E 20 to 200 sec.
	F 1 to 10 min.
	H 3 to 30 min.
	I 6 to 60 min.
	K 1 to 300 sec.

Dimensions and Mounting

MODEL E7012, E7022

QUALIFICATION TESTED FOR VERTICAL OPERATION ONLY

* Model E7014 is available with letter-graduated dials only. The upper end of the time ranges in these models may be twice the values shown.

** Configuration Code

The Configuration Code is a suffix to the Model Number which provides a means of identification. When a significant product change is introduced, the Configuration code and specification sheets will be revised. (001, 002, 003, 004, etc.).

Relay Classifications Control Code Summary

Configuration Control

Product	Code - 001	Code - 002	Code - 003	Code - 004
E7000	Contains all materials present in original qualification testing.	Sept. 1981 — Elastomer gasket material change to improve thermal aging properties. Material changed for Buna-N or Neoprene to Neoprene only.	March 1989 — Paint change to timing head portion of relay. New paint: Sherwin-Williams E61YC37 primer and PPG W48392 silver polyester top coat.	Dec. 1991 — Paint change to timing head portion of relay. New paint: Prime coatings No. 28032 Enamel. No primer is used with this finish.

Configuration Code: The Configuration code is a suffix to the Model Number which provides a means of identification. When a significant product change is introduced, the Configuration code and specification sheets will be revised. (001, 002, 003, 004, etc.).

ALL DIMENSIONS ARE IN INCHES[MM].

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RV 31JUL2019	TE Connectivity					
		CHK RV 31JUL2019				NAME E7000 SERIES TIMING RELAY		
		APVD DH 31JUL2019						
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	SCALE NTS SHEET 2 of 2 REV A					
	0 PLC ± -	APPLICATION SPEC						
	1 PLC ± -	WEIGHT -						
	2 PLC ± -	CUSTOMER DRAWING						
	3 PLC ± -							
	4 PLC ± -							
	ANGLES ± -							
MATERIAL -	FINISH -							

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