

## Eaton 031885

Eaton Moeller® series ETR4 Timing relay, star-delta, 50 ms, 1W, 3-60s, 400VAC

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PRODUCT NAME	Eaton Moeller® series ETR4 Timing relay
CATALOG NUMBER	031885
PRODUCT LENGTH/DEPTH	103 mm
PRODUCT HEIGHT	83 mm
PRODUCT WIDTH	23 mm
PRODUCT WEIGHT	0.117 kg
CERTIFICATIONS	VDE 0435 IEC/EN 61000-4-2 Standard IEC/EN 61812 IEC/EN 61000-4-3



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ТҮРЕ	Timer relay
CONTACT RATING	Min. load at contact voltage/current: 12 V/100 mA
AIR DISCHARGE	8 kV
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF	Does not apply, since the

CHARACTERISTIC CURVE	eaton-timers-diagram- etr4-timing-relay- characteristic-curve- 009.eps
DECLARATIONS OF CONFORMITY	eaton-timing-relay- declaration-of-conformity- uk250986en.pdf
000	eaton-timers-star-delta- etr4-timing-relay-wiring- diagram.eps
0000	EMR6 - EMT6 - ETR4 brochure
	eaton-timers-contactor- etr4-timing-relay- dimensions.eps eaton-electronic-timers-
	<u>relay-etr4-timing-relay-</u> <u>dimensions.eps</u>
	eaton-electronic-timers- relay-etr4-timing-relay-3d- drawing-003.eps

PROTECTION OF ASSEMBLIES	entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
ELECTRIC CONNECTION TYPE	Screw connection
OPERATING FREQUENCY	4000 Operations/h
POLLUTION DEGREE	2
POWER CONSUMPTION	0.5 VA at AC (Pick-up power)
	0.5 VA at AC (Sealing power)
BURST IMPULSE	0.5 VA at AC (Sealing
	0.5 VA at AC (Sealing power)  According to IEC/EN 61000-4-4 2 kV, Supply cable
BURST IMPULSE	0.5 VA at AC (Sealing power)  According to IEC/EN 61000-4-4 2 kV, Supply cable 1 kV, Signal cable  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to
BURST IMPULSE  CLIMATIC PROOFING  RATED IMPULSE WITHSTAND VOLTAGE	0.5 VA at AC (Sealing power)  According to IEC/EN 61000-4-4 2 kV, Supply cable 1 kV, Signal cable  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
BURST IMPULSE  CLIMATIC PROOFING  RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED OPERATIONAL	0.5 VA at AC (Sealing power)  According to IEC/EN 61000-4-4 2 kV, Supply cable 1 kV, Signal cable  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  3 A at AC-14, 440 V 1.5 A at DC-11, 24 V 3 A at AC-15, 220 V 230 V 240 V 3 A at AC-15, 380 V 400 V 415 V 1.2 A at DC-11, L/R max. 50 ms 3 A at AC-14, 380 V 400 V

TEMPERATURE - MAX	
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	45 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	45 °C
CONTACT CHANGEOVER TIME	50 ms
CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)	6 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	1.4 W
NOMINAL CURRENT	3 A
DEGREE OF PROTECTION	Terminals: IP20 IP20
FUNCTIONS	Fixed timing function Star-delta Star-delta switching
MAINS VOLTAGE TOLERANCE	400 V AC (at 50/60 Hz)
VOLTAGE TYPE	AC
MOUNTING POSITION	As required
SHOCK RESISTANCE	4 g, Make contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms
CONTACT DISCHARGE	6 kV
OVERVOLTAGE CATEGORY	Ш
SHORT-CIRCUIT PROTECTION RATING	Max. 6 A gG/gL, Fuse, Short-circuit rating without welding, Contacts Max. 6 A gG/gL, fuse, Without welding, Contacts
DUTY FACTOR	100 %
COMMAND TIME	50 ms, AC

SURGE RATING	According to IEC/EN 61000-4-5, power pulses (Surge), EMC 2 kV, symmetrical, power pulses (Surge), EMC 4 kV, asymmetrical, power pulses (Surge), EMC
ELECTROMAGNETIC FIELDS	10 V/m at 80 - 1000 MHz (according to IEC EN 61000-4-3) 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 61000-4-3) 3 V/m at 1.4 - 2 GHz (according to IEC EN 61000-4-3)
PICK-UP VOLTAGE	0.85 - 1.1 V AC x Uc
IMMUNITY TO LINE- CONDUCTED INTERFERENCE	10 V (according to IEC/EN 61000-4-6)
RADIO INTERFERENCE CLASS	Class B (EN 55011, radiated) Class B (EN 55011, conducted)
SUITABLE FOR	DIN rail (top hat rail) mounting
	1.1 x Uc, AC operated max.
VOLTAGE TOLERANCE	0.85 x Uc, AC operated min.
SAFE ISOLATION	•
	min.  250 V AC, Between coil and auxiliary contacts, According to EN 61140 250 V AC, Between auxiliary contacts,
SAFE ISOLATION	min.  250 V AC, Between coil and auxiliary contacts, According to EN 61140 250 V AC, Between auxiliary contacts, According to EN 61140  30,000,000 Operations (DC operated) 30,000,000 Operations (AC
SAFE ISOLATION  LIFESPAN, MECHANICAL	min.  250 V AC, Between coil and auxiliary contacts, According to EN 61140 250 V AC, Between auxiliary contacts, According to EN 61140  30,000,000 Operations (DC operated) 30,000,000 Operations (AC operated) 70 ms (after 100 % time
SAFE ISOLATION  LIFESPAN, MECHANICAL  RECOVERY TIME	min.  250 V AC, Between coil and auxiliary contacts, According to EN 61140 250 V AC, Between auxiliary contacts, According to EN 61140  30,000,000 Operations (DC operated) 30,000,000 Operations (AC operated) 70 ms (after 100 % time delay)
SAFE ISOLATION  LIFESPAN, MECHANICAL  RECOVERY TIME  REPETITION ACCURACY  NUMBER OF CONTACTS (CHANGE-OVER	min.  250 V AC, Between coil and auxiliary contacts, According to EN 61140 250 V AC, Between auxiliary contacts, According to EN 61140  30,000,000 Operations (DC operated) 30,000,000 Operations (AC operated)  70 ms (after 100 % time delay)  ≤ 0.5 % (deviation)
SAFE ISOLATION  LIFESPAN, MECHANICAL  RECOVERY TIME  REPETITION ACCURACY  NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)  NUMBER OF OUTPUTS (DELAYED, CHANGE-	min.  250 V AC, Between coil and auxiliary contacts, According to EN 61140 250 V AC, Between auxiliary contacts, According to EN 61140  30,000,000 Operations (DC operated) 30,000,000 Operations (AC operated) 70 ms (after 100 % time delay)  ≤ 0.5 % (deviation)

NUMBER OF OUTPUTS (UNDELAYED, CHANGE-OVER CONTACT)  NUMBER OF OUTPUTS (UNDELAYED, NORMALLY CLOSED CONTACT)  NUMBER OF OUTPUTS (UNDELAYED, NORMALLY OPEN CONTACT)  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MIN 47 HZ  RATED FREQUENCY - MIN 47 HZ  RATED INSULATION (IN)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS  TIME RANGE - MAX 60 s  TIME RANGE - MIN 3 S  PRODUCT CATEGORY ETRA timing relays  TERMINAL CAPACITY 1x(0.5 - 2.5) mm², solid 1x(20 - 14) AWG, solid or stranded		
(UNDELAYED, CHANGE-OVER CONTACT)       0         NUMBER OF OUTPUTS (UNDELAYED, NORMALLY CLOSED CONTACT)       0         NUMBER OF OUTPUTS (UNDELAYED, NORMALLY OPEN CONTACT)       1         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX       0 V         RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX       0 V         RATED FREQUENCY - MIN       47 Hz         RATED FREQUENCY - MIN       47 Hz         RATED FREQUENCY - MIN       600 V         RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)       6 A         RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX       440 V         STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS       0.5 W         TIME RANGE - MAX       60 S         TIME RANGE - MIN       3 s         PRODUCT CATEGORY       ETR4 timing relays         TERMINAL CAPACITY       1 × (0.5 - 2.5) mm², solid 1 × (20 - 14) AWG, solid or	OPEN CONTACT)	
(UNDELAYED, NORMALLY CLOSED CONTACT)       0         NUMBER OF OUTPUTS (UNDELAYED, NORMALLY OPEN CONTACT)       1         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN       400 V         RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX       0 V         RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX       0 V         RATED FREQUENCY - MIN       47 Hz         RATED FREQUENCY - MIN VOLTAGE (UI)       600 V         RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)       6 A         RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX       440 V         STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS       0.5 W         TIME RANGE - MAX       60 s         TIME RANGE - MIN       3 s         PRODUCT CATEGORY       ETR4 timing relays         TERMINAL CAPACITY       1 x (0.5 - 2.5) mm², solid x (20 - 14) AWG, solid or	(UNDELAYED, CHANGE-	0
(UNDELAYED, NORMALLY OPEN CONTACT)1RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX400 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN400 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX400 VRATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN400 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 VRATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX0 VRATED FREQUENCY - MAX63 HzRATED FREQUENCY - MIN47 HzRATED INSULATION VOLTAGE (UI)600 VRATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)6 ARATED OPERATIONAL VOLTAGE (UE) AT AC - MAX440 VSTATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS0.5 WTIME RANGE - MAX60 sTIME RANGE - MIN3 sPRODUCT CATEGORYETR4 timing relaysTERMINAL CAPACITY1 x (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	(UNDELAYED, NORMALLY CLOSED	0
VOLTAGE (US) AT AC, 50 HZ - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MIN  RATED FREQUENCY - MIN  RATED FREQUENCY - MIN AX  RATED FREQUENCY - MIN VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX TIME RANGE - MIN  TERMINAL CAPACITY  1 × (0.5 - 2.5) mm², solid 2 × (0.5 - 1.5) mm², solid 1 × (20 - 14) AWG, solid or	(UNDELAYED, NORMALLY OPEN	1
VOLTAGE (US) AT AC, 50 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MIN  RATED FREQUENCY - MIN  RATED FREQUENCY - MIN  RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  FRODUCT CATEGORY  TERMINAL CAPACITY  A00 V  400 V	VOLTAGE (US) AT AC, 50	400 V
VOLTAGE (US) AT AC, 60 HZ - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MAX  RATED FREQUENCY - MIN  RATED FREQUENCY - MIN  RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MIN  TIME RANGE - MIN  PRODUCT CATEGORY  1 × (0.5 - 2.5) mm², solid 2 × (0.5 - 1.5) mm², solid 1 × (20 - 14) AWG, solid or	VOLTAGE (US) AT AC, 50	400 V
VOLTAGE (US) AT AC, 60 HZ - MIN  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MAX  RATED FREQUENCY - MIN RATED FREQUENCY - MIN  RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  TIME RANGE - MIN  TERMINAL CAPACITY  400 V  0 V  0 V  0 V  0 V  1 X (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	VOLTAGE (US) AT AC, 60	400 V
VOLTAGE (US) AT DC - MAX  RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MAX  RATED FREQUENCY - MIN  RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  TIME RANGE - MIN  PRODUCT CATEGORY  O V  AT HZ  63 Hz  6 A  47 Hz  600 V  6 A  6 A  6 A  6 A  1 A  1 A  1 A  1 A	VOLTAGE (US) AT AC, 60	400 V
VOLTAGE (US) AT DC - MIN  RATED FREQUENCY - MAX  RATED FREQUENCY - MIN  RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  TIME RANGE - MIN  TIME RANGE - MIN  TERMINAL CAPACITY  O V  63 Hz  64  47 Hz  60 V  60 V  60 V  60 A  60 A  61 A  61 A  61 A  62 A  63 Hz  64  64  65 A  66 A  67 A  67 A  68 A  69 S  60 S  70 S	VOLTAGE (US) AT DC -	0 V
MAX  RATED FREQUENCY - MIN 47 Hz  RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS  TIME RANGE - MAX 60 s  TIME RANGE - MIN 3 s  PRODUCT CATEGORY  ETR4 timing relays  1 x (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	VOLTAGE (US) AT DC -	0 V
RATED INSULATION VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  TIME RANGE - MIN 3 s  PRODUCT CATEGORY $1 \times (0.5 - 2.5) \text{ mm}^2, \text{ solid} \\ 2 \times (0.5 - 1.5) \text{ mm}^2, \text{ solid} \\ 1 \times (20 - 14) \text{ AWG, solid or}$		63 Hz
VOLTAGE (UI)  RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  TIME RANGE - MIN  PRODUCT CATEGORY  1 x (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	RATED FREQUENCY - MIN	47 Hz
CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)  RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX  STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS  TIME RANGE - MAX 60 s  TIME RANGE - MIN 3 s  PRODUCT CATEGORY ETR4 timing relays $ 1 \times (0.5 - 2.5) \text{ mm}^2, \text{ solid} \\ 2 \times (0.5 - 1.5) \text{ mm}^2, \text{ solid} \\ 1 \times (20 - 14) \text{ AWG, solid or} $		600 V
VOLTAGE (UE) AT AC - MAX       440 V         STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS       0.5 W         TIME RANGE - MAX       60 s         TIME RANGE - MIN       3 s         PRODUCT CATEGORY       ETR4 timing relays         TERMINAL CAPACITY       1 x (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	CURRENT FOR SPECIFIED	6 A
DISSIPATION, NON- CURRENT-DEPENDENT PVS  TIME RANGE - MAX  60 s  TIME RANGE - MIN  3 s  PRODUCT CATEGORY  ETR4 timing relays  1 x (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	VOLTAGE (UE) AT AC -	440 V
TIME RANGE - MIN         3 s           PRODUCT CATEGORY         ETR4 timing relays           1 x (0.5 - 2.5) mm², solid 2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or	DISSIPATION, NON- CURRENT-DEPENDENT	0.5 W
PRODUCT CATEGORYETR4 timing relays $1 \times (0.5 - 2.5) \text{ mm}^2$ , solid $2 \times (0.5 - 1.5) \text{ mm}^2$ , solid $1 \times (20 - 14) \text{ AWG}$ , solid or	TIME RANGE - MAX	60 s
TERMINAL CAPACITY	TIME RANGE - MIN	3 s
TERMINAL CAPACITY	PRODUCT CATEGORY	ETR4 timing relays
	TERMINAL CAPACITY	2 x (0.5 - 1.5) mm², solid 1 x (20 - 14) AWG, solid or

	$2 \times (0.5 - 1.5) \text{ mm}^2$ , flexible with ferrule $1 \times (0.5 - 2.5) \text{ mm}^2$ , flexible with ferrule
RATED BREAKING CAPACITY	3 A at AC-15 (cos φ = 0.3 220 V) 1.1 x I <sub>e</sub> (DC-11 L/R - 40 ms) 3 A at AC-14 (cos φ = 0.3 440 V)
RATED MAKING CAPACITY	1.1 x I <sub>e</sub> (DC-11 L/R - 40 ms) 50 A (AC-15 cos φ = 0.3 220 V) 48 A (AC-14 cos φ = 0.3 400 V)
VOLTAGE TYPE OF OPERATING VOLTAGE	AC
OPERATING VOLTAGE AT AC, 50 HZ - MIN	400 V
OPERATING VOLTAGE AT AC, 50 HZ - MAX	400 V
OPERATING VOLTAGE AT AC, 60 HZ - MIN	400 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	400 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
00:



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