Timing relay multi-function, 7 functions, 1 changeover contacts



Part no. ZRMF2/WW 110408

General specifications	
Product name	Eaton Distribution parts
Part no.	ZRMF2/WW
EAN	4015081099481
Product Length/Depth	65 millimetre
Product height	87 millimetre
Product width	35 millimetre
Product weight	0.1 kilogram
Compliances	RoHS conform
Product Tradename	None
Product Type	Distribution parts
Product Sub Type	None
Public Consumption	Yes
Product Family Description	ES-PMCC-PDC-Eaton Distribution parts
Globally Marketable	Yes
Product Specification Details	
Ambient operating temperature - max	55 °C
Ambient operating temperature - min	-25 °C
Degree of protection	IP20
Electric connection type	Screw connection
Functions	Pulse shaping Delay on de-energization Delay-on energization Floating contact on energization Floating contact on de-energization
Nominal current	8 A
Number of outputs (delayed, change-over contact)	2
Number of outputs (delayed, normally closed contact)	0
Number of outputs (delayed, normally open contact)	0
Number of outputs (undelayed, change-over contact)	0
Number of outputs (undelayed, normally closed contact)	0
Number of outputs (undelayed, normally open contact)	0
Operating voltage at AC, 50 Hz - max	240 V
Operating voltage at AC, 50 Hz - min	24 V
Operating voltage at AC, 60 Hz - max	240 V
Operating voltage at AC, 60 Hz - min	24 V
Operating voltage at DC - max	240 V
Operating voltage at DC - min	24 V
Rated control supply voltage (Us) at AC, 50 Hz - max	240 V
Rated control supply voltage (Us) at AC, 50 Hz - min	24 V
Rated control supply voltage (Us) at AC, 60 Hz - max	240 V
Rated control supply voltage (Us) at AC, 60 Hz - min	24 V
Rated control supply voltage (Us) at DC - max	240 V
Rated control supply voltage (Us) at DC - min	24 V
Starting current - max	8 A
Static heat dissipation, non-current-dependent	2 W
Suitable for	Front mounting DIN rail (top hat rail) mounting
Time range - max	360000 s
Time range - min	0.05 s
Voltage type	AC/DC

Technical data ETIM 9.0

Biother despending automation, process control engineering / Leve values (connection) Some connections Type of electric connections Service (connection) Suitable for Individual Copy Internation automating 1 19 Recipitation from moniting and suitable for the normality carmed tilect 2 19 Recipitation from moniting and tile state of the programment flock 2 19 Recipitation from moniting and the engingation 2 19 Recipitation from from the order on engingation 2 19 Recipitation from from the order on engingation 2 19 Recipitation from from the order engingation 2 19 Recipitation from the order engingation 2 19 Recipitation from the order engingation 2 19 Recipitation from the order engingation 2 10 Recipitation from the order engingation <t< th=""><th colspan="3">Relays (EG000019) / Timer relay (EC001439)</th></t<>	Relays (EG000019) / Timer relay (EC001439)		
Complete with sociate Modernation with sociate Modernation with sociate Sizelable for from an outring 1 Ves Plaggable on a sunkiny centect black 2 No Function felly and energization 2 Ves Function flooting carried to de-energization 4 Ves Function flooting carried to develop and to the control of the	Electric engineering, automation, process control engineering / Low-voltage switch technology / Relay and socket / Timer relay (ecl@ss13-27-37-16-05 [AKF092018])		
Suitable for Dill vanil foly hat nill mounting 1 Yes Suitable for from mounting 2 No Pluggable on acudiary contact block 2 No Function delays melle energization 2 Yes Function theating carried on energization 3 Yes Function theating carried on de-conspiration 4 Yes Function theating carried on de-conspiration 5 No Function plays a shaping 4 Yes Function plays a shaping 4 No Function flashing, starting with pulse, fixed free 5 No Clock therefore, starting with pulse, fixed free 4 No Clock therefore, starting with pulse, fixed free 4 2 Clock therefore, starting with pulse, with	Type of electric connection		Screw connection
Suitable for front mounting Mean the control block Mean the control product of the control product of the control product of energization Mean the control product of energization of energization Mean the control product of energization products of e	Complete with socket		No
Pipegable on auxiliary contact block 1 Yes Finiction delay on energization 4 Yes Finiction fleating contact on energization 4 Yes Finicition fleating contact on energization 4 Yes Finicition fleating contact on energization 4 Yes Finicition fleating contact on de-energization 4 Yes Finicition fleating starting with pulse, feed time 4 Yes Finicition fleating, starting with pulse, feed time 4 Yes Clock function, starting with pulse, feed time 4 Yes Clock function, starting with pulse, variable 9 Yes Starting with pulse, feed time 9 Yes Starting with pulse, feed time 9 Yes Starting with pulse, feed time Yes Yes Starting with pulse, feed time Yes Yes Starting with pulse, f	Suitable for DIN rail (top hat rail) mounting		Yes
Function allay on de-mergitation Function falley on de-mergitation Function floating contact on energitation Function floating contact on de-mergitation Function floating starting with puses, fixed time Function floating, starting with puses, fixed time Function floating, starting with puses, variable Function floating, starting with puses, var	Suitable for front mounting		Yes
Function floating contact on energization Function floating contact on efemigization Function floating contact on efemigization Function star delta Function star server Function star supply voltage AC 80 Hz Function star supply suppl	Pluggable on auxiliary contact block		No
Function floating contact on energization Function start debts Function start debts Function pales shaping Function flasting, starting with pales, fixed time Function flasting, starting with pales, variable Function flasting, starting with pales, variable Clock function, starting with pales, variable Clock function, starting with pales, variable Clock function, starting with pales, variable Clock function flasting, starting with pales, variable Clock function starting with pales, variable Clock function, sta	Function delay-on energization		Yes
Function floating contact on de-energization 4 Ves Function pulse shaping Ves No Function pulse shaping No No Function floating, starting with pause, fixed time No No Clock function, starting with pause, wariable No No Clock function, starting with pause, wariable No No Clock function, starting with pause, wariable No No Clock function, starting with pause, fixed time No No Time range S 05 300000 Remote operation possible No No Sutable as remote control No 4-240 Retact control supply voltage AC 90 Hz Voltage Sype for actualing No Number of output, undeleyed, normally closed contact Voltage Sype for actualing No Number of output, undeleyed, normally closed contact Voltage Sype for actualing No Number of output, undeleyed, normally closed contact Voltage Sype for actualing No Number of output, delayed, normally closed contact Voltage Sype for actualing No Number of output, de	Function delay on de-energization		Yes
Function start-delta Function fashing, starting with pause, fixed time Function flashing, starting with pause, fixed time Function flashing, starting with pause, fixed time Clock function, starting with pause, variable Clock function, starting with pau	Function floating contact on energization		Yes
Function pulse shaping Key Yes Function flashing, starting with pause, fixed time Key No Function flashing, starting with pause, fixed time Key No Clock function, starting with pause, variable Sey AC Clock function, starting with pulse, variable sey AD Time range sey AD Renote operation possible w No Statable as remote control w Ye AL-204 Rated control supply voltage AC 50 Hz w 2 - 24 AC Rated control supply voltage AC 50 Hz w 2 - 24 AC Rated control supply voltage AC 50 Hz w 2 - 24 AC Rated control supply voltage AC 50 Hz w 2 - 24 AC Number of outputs, undelayed, normally open contact w 0 - 2 AC Number of outputs, undelayed, normally open contact w 0 - 2 AC Number of outputs, delayed, normally open contact w 0 - 2 AC Number of outputs, delayed, normally open contact w 0 - 2	Function floating contact on de-energization		Yes
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Euroction flashing, starting with pulse, fixed time Image: Clock function, starting with pulse, variable No Clock function, starting with pulse, variable Image: Clock function, starting with pulse, variable Image: Clock function, starting with pulse, variable Remote operation possible Image: Clock function supply voltage ACS on Part (and the pulse) No Retact control supply voltage ACS on Part (and to supply vo	Function pulse shaping		Yes
Clock function, starting with pulse, variable 6 6 7 No Time rang 9 5 05-360000 Suntable as remote control 9 6 No Sutable as remote control 9 7 Ac Rated control supply voltage AC 50 Hz 8 2 24-240 Rated control supply voltage AC 50 Hz 4 24-240 Rated control supply voltage AC 50 Hz 3 4-240 Rated control supply voltage AC 50 Hz 4 24-240 Rated control supply voltage AC 50 Hz 4 24-240 Number of outputs, undelayed, normally closed contact 6 2 4-240 Number of outputs, undelayed, normally closed contact 6 9 6 4-240 Number of outputs, undelayed, normally open contact 6 9 6 4-240 Number of outputs, delayed, normally open contact 6 9 8 9 8 Number of outputs, delayed, change-over contact 6 9 9 9 9 9 Material of contact insert <	Function flashing, starting with pause, fixed time		No
Clock function, starting with pulse, variable s 05 Time range s 05 580000 Remote operation possible v No Statisble as remote control v 4-240 Rated control supply voltage AC 50 Hz v 2-240 Rated control supply voltage AC 50 Hz v 2-240 Rated control supply voltage AC 50 Hz v 2-240 Rated control supply voltage AC 50 Hz v 2-240 Rumber of outputs, undelayed, normally closed contact v 2-240 Number of outputs, undelayed, normally closed contact v 0-240 Number of outputs, delayed, normally closed contact v 0-240 Number of outputs, delayed, normally closed contact v 0-240 Number of outputs, delayed, normally closed contact v 0-240 Number of outputs, delayed, normally closed contact v 0-240 Number of outputs, delayed, normally closed contact v 0-240 Number of outputs, delayed, normally closed contact v 0-240 Material of contact surface v 0-240 Material of contact surface v 2-240 Material of contact surface v 2-240 Operating voltage AC 50 Hz v 2-240	Function flashing, starting with pulse, fixed time		No
Time range Remote operation possible Suitable as remote control control Suitable as remote control Suitable Suitable Rated control supply voltage AC 60 Hz Rumber of outputs, undelayed, normally closed contact Number of outputs, undelayed, normally closed contact Number of outputs, delayed, normally closed contact Number of outputs, delayed, compaly contact Number of outputs, delayed, change-over contact Number of outputs, delayed,	Clock function, starting with pause, variable		No
Remote operation possible No Suitable as remote control No Bated control supply voltage AC 50 Hz V 24 - 240 Rated control supply voltage DC V 24 - 240 Voltage type for actuating AC/DC Number of outputs, undelayed, normally closed contact AC/DC Number of outputs, delayed, normally open contact AC/DC With semiconductor output AC/DC Material of contact unface AC/DC Operating voltage AC 50 Hz AC/DC Operating voltage AC 50 Hz AC/DC	Clock function, starting with pulse, variable		No
Suitable as remote control No Rated control supply voltage AC 50 Hz V 24 - 240 Rated control supply voltage DC V 24 - 240 Voltage type for actuating C V 24 - 240 Number of outputs, undelayed, normally closed contact C 0 0 Number of outputs, undelayed, change-over contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Number of outputs, delayed, normally closed contact C 0 0 Muther of outputs, delayed, normally closed contact C 0 0 Material of contact surface C C 0 0	Time range	s	0.05 - 360000
Rated control supply voltage AC 50 Hz V 24-240 Rated control supply voltage DC V 24-240 Voltage type for actuating V 24-240 Number of outputs, undelayed, normally closed contact C 6 Number of outputs, undelayed, normally open contact C 0 Number of outputs, delayed, change-over contact C 0 Number of outputs, delayed, normally open contact C 0 Number of outputs, delayed, normally open contact C 0 Number of outputs, delayed, change-over contact C 0 With semiconductor output No No Material of contact surface V 0 Material of contact surface V 24-240 Operating voltage AC 50 Hz V 24-240 Operating voltage AC 50 Hz V 24-240 Voltage type (operating voltage) AC/D	Remote operation possible		No
Rated control supply voltage AC 60 Hz V 24-240 Rated control supply voltage DC V 24-240 Voltage type for actuating AC/IDC Number of outputs, undelayed, normally closed contact C 0 Number of outputs, undelayed, change-over contact C 0 Number of outputs, delayed, normally closed contact C 0 Number of outputs, delayed, normally open contact C 0 Number of outputs, delayed, normally open contact C 0 Number of outputs, delayed, normally open contact C 0 Number of outputs, delayed, normally open contact C 0 Number of outputs, delayed, change-over contact C 0 With Semiconductor output No 0 Material of contact surface C No Material of contact surface C V 4-240 Operating voltage AC 60 Hz V 4-240 Operating voltage AC 60 Hz V 4-240 Voltage type (operating voltage) A A A Nominal current A	Suitable as remote control		No
Rated control supply voltage DC V 24-240 Voltage type for actuating C/C C/C Number of outputs, undelayed, normally closed contact C C Number of outputs, undelayed, normally open contact C C Number of outputs, delayed, normally closed contact C C Number of outputs, delayed, normally closed contact C C Number of outputs, delayed, normally open contact C C Number of outputs, delayed, normally open contact C C Number of outputs, delayed, normally open contact C C Number of outputs, delayed, normally open contact C C Number of outputs, delayed, normally open contact C C Number of outputs, delayed, normally open contact C C Number of outputs, delayed, normally open contact C C Outputs, reversible delayed/undelayed N C With semiconductor output C N C Material of contact insert C C C Material of contact surface C V <th< td=""><td>Rated control supply voltage AC 50 Hz</td><td>V</td><td>24 - 240</td></th<>	Rated control supply voltage AC 50 Hz	V	24 - 240
Voltage type for actuating AC/DC Number of outputs, undelayed, normally closed contact C Number of outputs, undelayed, normally open contact C Number of outputs, undelayed, change-over contact C Number of outputs, delayed, normally open contact C With semiconductor output No Material of contact surface C Operating voltage AC 60 Hz V Operating voltage AC 60 Hz V Voltage type (operating voltage) A Nominal current A Max. starting current A Max. starting current A Ac yea <tr< td=""><td>Rated control supply voltage AC 60 Hz</td><td>V</td><td>24 - 240</td></tr<>	Rated control supply voltage AC 60 Hz	V	24 - 240
Number of outputs, undelayed, normally closed contact 6 Number of outputs, undelayed, change-over contact 6 Number of outputs, undelayed, change-over contact 6 Number of outputs, delayed, normally closed contact 6 Number of outputs, delayed, normally open contact 6 Number of outputs, delayed, change-over contact 2 Outputs, reversible delayed/undelayed No With semiconductor output No Material of contact insert No Material of contact surface Y Operating voltage AC 50 Hz V Operating voltage AC 50 Hz Y Operating voltage AC 60 Hz Y Voltage type (operating voltage) Y Nominal current A Max. starting current A Max. starting current A Relay technology category according to IEC 61810-7 P Width mm Width mm Beight mm	Rated control supply voltage DC	٧	24 - 240
Number of outputs, undelayed, normally open contact 0 Number of outputs, undelayed, change-over contact 0 Number of outputs, delayed, normally closed contact 0 Number of outputs, delayed, change-over contact 0 Number of outputs, delayed, change-over contact 2 Outputs, reversible delayed/undelayed No With semiconductor output No Material of contact insert No Material of contact surface No Operating voltage AC 50 Hz V 2 + 240 Operating voltage AC 60 Hz V 2 + 240 Operating voltage AC 60 Hz V 2 + 240 Voltage type (operating voltage) AC/DC Nominal current A 8 Max starting current A 8 Degree of protection (IP) P20 Relay technology category according to IEC 61810-7 mm 35 Writth mm 35 Height mm 36	Voltage type for actuating		AC/DC
Number of outputs, undelayed, change-over contact 0 Number of outputs, delayed, normally closed contact 0 Number of outputs, delayed, change-over contact 2 Number of outputs, delayed, change-over contact 2 Outputs, reversible delayed/undelayed No With semiconductor output No Material of contact insert No Material contact No Material of contact surface No Operating voltage AC 50 Hz V 2 - 240 Operating voltage AC 60 Hz V 2 - 240 Operating voltage AC 60 Hz V 2 - 240 Voltage type (operating voltage) A 8 Nominal current A 8 Max. starting current A 8 Belay technology category according to IEC 61810-7 P20 Width mm 35 Width mm 35	Number of outputs, undelayed, normally closed contact		0
Number of outputs, delayed, normally closed contact 0 Number of outputs, delayed, normally open contact 2 Number of outputs, delayed, change-over contact 2 Outputs, reversible delayed/undelayed No With semiconductor output No Material of contact insert No Material contact No Material of contact surface V Operating voltage AC 50 Hz V 24-240 Operating voltage AC 50 Hz V 24-240 Operating voltage DC V 24-240 Voltage type (operating voltage) AC/DC Nominal current A 8 Max. starting current A 8 Degree of protection (IP) P20 Relay technology category according to IEC 61810-7 mm 35 Width mm 35 Height mm 37	Number of outputs, undelayed, normally open contact		0
Number of outputs, delayed, normally open contact 0 Number of outputs, delayed, change-over contact 2 Outputs, reversible delayed/undelayed No With semiconductor output No Material of contact insert No Material contact Votage 1 year (applied on the contact surface) Operating voltage AC 50 Hz Votage 24-240 Operating voltage AC 60 Hz Votage 24-240 Voltage type (operating voltage) AC/DC Nominal current A 8 Max. starting current A 8 Degree of protection (IP) P20 Relay technology category according to IEC 61810-7 P20 Writth mm 35 Height mm 35	Number of outputs, undelayed, change-over contact		0
Number of outputs, delayed, change-over contact Outputs, reversible delayed/undelayed With semiconductor output Material of contact insert Material contact Material of contact surface Operating voltage AC 50 Hz Operating voltage AC 60 Hz Operating voltage DC Voltage type (operating voltage) No AC/DC Nominal current Max. starting current Degree of protection (IP) Relay technology category according to IEC 61810-7 Width Height Material of contact surface 2 Voltage type (operating voltage) No AC/DC Nominal current AB 8 Reay technology category according to IEC 61810-7 Width Height Max. Starting current Max. S	Number of outputs, delayed, normally closed contact		0
Outputs, reversible delayed/undelayed No With semiconductor output No Material of contact insert Image: Contact output ou	Number of outputs, delayed, normally open contact		0
With semiconductor output Material of contact insert Material contact Material of contact surface Operating voltage AC 50 Hz Operating voltage AC 60 Hz Operating voltage DC Voltage type (operating voltage) No AC/DC Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width Height Moterial of contact surface No No 24 - 240 24 - 240 AC/DC AC/DC Relay technology category according to IEC 61810-7 Mmm Mmm Mmm Mmm Mmm Mmm Mmm M	Number of outputs, delayed, change-over contact		2
Material of contact insert Material of contact surface Operating voltage AC 50 Hz Operating voltage AC 60 Hz Operating voltage DC Voltage type (operating voltage) Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width Height Material of contact insert Value Valu	Outputs, reversible delayed/undelayed		No
Material contact Material of contact surface V 24 - 240 Operating voltage AC 50 Hz V 24 - 240 Operating voltage DC V 24 - 240 Voltage type (operating voltage) V 24 - 240 Nominal current A 8 Max. starting current A 8 Degree of protection (IP) IP20 Relay technology category according to IEC 61810-7 mm 35 Width mm 35 Height mm 87	With semiconductor output		No
Material of contact surface Operating voltage AC 50 Hz Operating voltage AC 60 Hz V 24 - 240 Operating voltage DC V 24 - 240 Voltage type (operating voltage) Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width Height Material of contact surface V 24 - 240 AC/DC AC/DC PDC IP20 IP2	Material of contact insert		
Operating voltage AC 50 Hz Operating voltage AC 60 Hz V 24 - 240 Operating voltage DC V 24 - 240 Voltage type (operating voltage) Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width Method Method	Material contact		
Operating voltage AC 60 Hz Operating voltage DC V 24 - 240 Voltage type (operating voltage) Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width Height V 24 - 240 AC/DC AC/DC AC/DC Nominal current A 8 P20 IP20 IP20 Heady technology category according to IEC 61810-7 Width mm 35 Height	Material of contact surface		
Operating voltage DC Voltage type (operating voltage) Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width mm 35 Height A 24 - 240 AC/DC AB 8 P20 IP20 IP20 IP30 IP30	Operating voltage AC 50 Hz	V	24 - 240
Voltage type (operating voltage) Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width mm 35 Height AC/DC AC/CC	Operating voltage AC 60 Hz	V	24 - 240
Nominal current A 8 Max. starting current A 8 Degree of protection (IP) Relay technology category according to IEC 61810-7 Width mm 35 Height A 8 IP20 Relay technology category according to IEC 61810-7 Width Relay technology category according to IEC 61810-7	Operating voltage DC	V	24 - 240
Max. starting current Degree of protection (IP) Relay technology category according to IEC 61810-7 Width mm 35 Height 8 P20 P35 P56 P76 P77 P78 P78 P78 P78 P78 P7	Voltage type (operating voltage)		AC/DC
Degree of protection (IP) Relay technology category according to IEC 61810-7 Width mm 35 Height mm 87	Nominal current	А	8
Relay technology category according to IEC 61810-7 Width mm 35 Height mm 87	Max. starting current	А	8
Width mm 35 Height mm 87	Degree of protection (IP)		IP20
Height mm 87	Relay technology category according to IEC 61810-7		
	Width	mm	35
	Height	mm	87
Depth mm 65	Depth	mm	65