

104802692038 Product	Details		🗄 Share	📄 Print	🖂 Email
+04802092038 PIOUUCU					
2	Variable Resistors		Quick		
	Converted to EU RoHS/I	LV Compliant		g & Availability h for Tooling	
(Statement of Compli			🕨 🕨 Produ	ct Feature Selecto	
100	Product Highlights:		Conta	ct Us About This F	roduct
9	 Variable Resistor Resistor Type = Potention 	neter	L		
404802692038	• Resistance Selection = K Ω • Resistance = 10K Ω				
TE Internal Number: 3-1625931-1	 Power Rating = 2.00 W 				
🛹 Active	View all Features	'iew all Features			
• •••••••••••••••••••••••••••••••••••					
🔁 View 3D PDF	Add to My Part List	Request Sample	Find Sim	ilar Products	Buy Product
Documentation & Additional Informa	tion				
Product Drawings:			Additional Info		
None Available			 Product I 	ine Information	
Catalog Pages/Data Sheets: • 1309350_PASSIVE_COMPONENT	(DDE English)	1	 Related Produce Tooling 	ts:	
Spindle Operated Potentiometers		sh)	· roomig		
Product Specifications: None Available 					
Application Specifications: None Available 					
Instruction Sheets: None Available					
 CAD Files: (CAD Format & Compression 2D Drawing (DXF, Version P00K) 	Information)				
• 3D Model (IGES, Version P00K)					
 3D Model (STEP, Version P00K) 					
		t all Damarate			
	Li	st all Documents			
Product Features (Please use the P					
-	roduct Drawing for all desig	ın activity)			
-	roduct Drawing for all desig	In activity) ody Features: • Shaft Style = F			
Resistor Type = Potentiometer	roduct Drawing for all desig	ın activity) ody Features:)	
Product Type Features: • Product Type = Variable Resistor • Resistor Type = Potentiometer • Element = Cermet	roduct Drawing for all desig B	yn activity) ody Features: • Shaft Style = F • Package, Comp	ponent Size = 19)	
Product Type Features: • Product Type = Variable Resistor • Resistor Type = Potentiometer • Element = Cermet • Series = M	roduct Drawing for all desig B	In activity) ody Features: • Shaft Style = F	ponent Size = 19)	
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Type M Series

Key Features

- Cermet Element
- Proven Reliability
- 2W Power Rating
- Strong Construction
- Sealed to Military Standard
- Panel Sealed (MC1)
- Rugged Terminations



This is one of TE Connectivity's most popular ranges and is available with cermet resistance elements. This choice means that components offer excellent electrical and thermal stability, reliability, low noise and long life which makes them most suitable for the majority of professional applications.

The MC Series is used in the Tornado Project and is the standard single turn general purpose panel control used for most military applications in the UK and in Europe.

Characteristics - Electrical

	MC1	MCU
Element Technology:	Cermet	Cermet
Std. Resistance Range:	100 Ohms to 2M2	10 Ohms to 1M Ohm
Law:	Linear	Linear
Resistance Values:	1,2,2 and 4.7 in each decade	1,2,2 and 4.7 in each decade
Selection Tolerance:	± 10%	± 10%
Rated Dissipation at 70°C:	2W	2W
Limiting Element Voltage:	315 Vdc	315 Vdc
Isolation Voltage:	450 Vdc	450 Vdc
Electrical Rotation:	210°	210°
Terminal Resistance:	< 3 Ohms	< 3 Ohms
Noise (E.N.R.):	3% Max.	3 Ohms or 3%
Insulation Resistance:	> 5 G Ohms	> 1 G Ohms
Voltage Proof:	630 V ac peak	630 V ac peak

Characteristics - Mechanical

Starting Torque:	< 85 mNm	< 40 mNm	
Mechanical Rotation:	270°	270°	
End Stop Torque:	800 mNm	800 mNm	



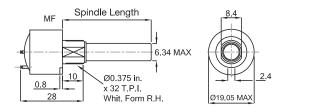
Type M Series

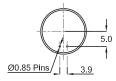
Characteristics - Environmental

Limits of Resistance Change:	3% (after 1000 hrs)	3% (after 1000 hrs)
Temperature Coefficient:	0.5%	0.75%
Bump Severity:	390 m/s², 4000 bumps	245 m/s², 4000 bumps
Vibration Severity:	10-500 Hz 98 m/s ²	10-150 Hz 98 m/s ²
Climatic Category:	55/125/56	55/125/21
Mechanical Endurance:	25000 operations Min.	25000 operations Min.
Sealing:	Panel sealed	Fully enclosed

Dimensions

MC1/MCU Wire Terminations





Туре	Standard Spindles			
	Plain	Slotted	Drilled	
MC1	25	16, 20, 25	25	
MCU	25	16, 20, 25	25	х

Standard Spindles			
Slotted	Drilled		
1.53 Deep	Hole 3.18, Dia. 5.08		
x1.53 Wide	From End of Spindle		

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How to Order

Please specify type, resistance value, tolerance and spindle details. Add inspection requirement where appropriate. e.g. MC1 10K \pm 10% PLAIN 25 mm

We will advise a Tyco part number against this description.

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