

CHEVRON SHAFT FOR SEALING AND SMOOTH CONSISTENT TORQUE.

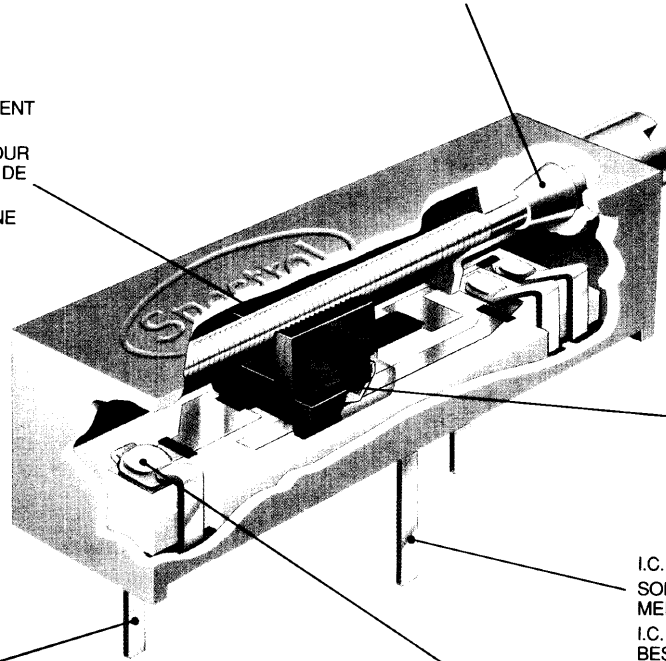
UN AXE DE COMMANDE À CHEVRONS POUR GARANTIR UNE EXCELLENTE ÉTANCHÉITÉ ET UN COUPLE RÉGULIER.

DER VORTEIL DER CHEVRON ACHSE IST EINE HOHE DICHTIGKEIT UND EIN GLEICHMÄßIGES DREHMOMENT.

UNIQUE 'T' SLIDER BLOCK FOR EXCELLENT STABILITY AND SETABILITY.

PORTE CURSEUR MONOBLOC EN 'T' POUR ASSURER LA STABILITÉ ET LA FINESSE DE RÉGLAGE.

DER 'T' SLIDER BLOCK GARANTIERT EINE HERVORRAGENDE STABILITÄT UND EINSTELLBARKEIT.



MULTIFINGER WIPER FOR BETTER C.R.V.  
CURSEUR MULTIBRINS POUR UNE MEILLEURE VARIATION DE RÉSISTANCE DE CONTACT.

DER MULTIFINGER STEHT FÜR EINE SICHERE ABTASTUNG.

I.C. STYLE PINS FOR EASIER BOARD INSERTION.  
SORTIES TYPE "CIRCUITS INTÉGRÉS" POUR UNE MEILLEURE INSERTION.

I.C. ANSCHLUß FORM GARANTIERT EINE LEICHTE BESTÜCKUNG.

SOLDER PLATED TERMINALS FOR GOOD SOLDERABILITY.  
SORTIES PRÉ-ÉTAMÉES POUR UNE BONNE SOUDABILITÉ.  
VERZINNTE ANSCHLUßPINS UNTERSTÜTZEN EINE HÖHERE LÖTSICHERHEIT.

SOLDERED TERMINATIONS FOR IMPROVED RELIABILITY.  
POINTS DE LIAISON SOUDÉS POUR UNE FIABILITÉ ACCRUE.  
INTERN GELÖTETE ANSCHLUßPINS SORGEN FÜR EINE HÖHERE SICHERHEIT.

## A $\frac{3}{4}$ " (19mm) rectangular multiturn cermet trimmer Une Multi-Tour Rectangulaire Cermet Trimmer 19mm Ein 19mm Rechteckiger Mehr-Gang Cermit Trimmer

- Optional features • Panel mount • Clear lid • Alternative adjuster heights
- Options • montage panneau • boîtier transparent • hauteur de réglage variable
- Optionen • Front Montage • Klarsichtgehäuse • Verschiedene Aufbauhöhen

The Model 43 is manufactured to the highest international standards, approved to CECC.41101-801. This product, sealed to 85°C for 1 min. (IEC.68-2-17) has an effective electrical travel of 20 turns nominal and a resistance range of 10 ohms to 2 Megohms.

Le modèle 43 est fabriqué suivant les standards internationaux les plus élevés, est qualifié suivant la norme européenne CECC 41101-801. Ce produit, étanche pendant une minute à +85°C (norme IEC 68-2-17), a une course électrique réglable sur 20 tours et une gamme résistive de 10 ohms à 2 Megohms.

Das Modell 43 wird nach den höchsten internationalen Standards gefertigt (Prüfprotokoll CECC 41101-801). Dieses Erzeugnis – Dichtigkeit nach IEC 68-2-17 (85°C für 1 Min.) – hat eine elektrische Auflösung von nominal 20 Umdrehungen. Sie erhalten Widerstandswerte von 10 ohm bis 2 Mohm.

# MODEL 43 10 ohms to 2 Megohms

# TRIMMING POTENTIOMETER

## ELECTRICAL

EFFECTIVE ELECTRICAL TRAVEL .....	20 turns nominal
RESISTANCE RANGE .....	10 ohms to 2 megohms
RESISTANCE TOLERANCE .....	±10%
END RESISTANCE .....	2 ohms maximum
TEMPERATURE COEFFICIENT OF RESISTANCE .....	±100 PPM/°C, 100 ohms to 2 megohms; - 100 to +200 PPM/°C, 10 ohms, 20 ohms and 50 ohms
POWER RATING .....	0.5 watt at 70°C derated linearly to zero watts at 125°C. Maximum voltage not to exceed 400V
DIELECTRIC WITHSTANDING VOLTAGE .....	1000V AC at sea level, 250V AC at 80000 feet (24400 metres)
INSULATION RESISTANCE .....	1000 megohms minimum
CONTACT RESISTANCE VARIATION .....	1% or 1 ohm, whichever is greater

## MECHANICAL

STOPS .....	Wiper idles against stops
OPERATING TORQUE .....	22.5 mNm Max
ROTATIONAL LIFE .....	200 cycles minimum with a maximum change of ±2% in total resistance
WEIGHT .....	0.04oz (1,2gm) maximum
RESISTANCE ELEMENT .....	Cermet
SETABILITY .....	±0.05% R.T.

## RESISTANCE VALUES - OHMS

10R, 20R, 50R, 100R, 200R, 500R, 1k, 2k, 5k, 10k, 20k, 25k, 50k, 100k, 200k, 250k, 500k, 1M, 2M.

## MARKING

Manufacturer's name and part number, EIA resistance code, BS resistance code, date code, terminal identification

## ENVIRONMENTAL

		MAX CHANGE
		$\Delta R$ $\frac{V_{ab}}{V_{ac}}$
CHANGE OF TEMPERATURE .....	-55°C to +125°C .....	2%
BUMP .....	390m/s <sup>2</sup> 4000 .....	1%
VIBRATION .....	98m/s <sup>2</sup> 10 to 500 Hz .....	1% 2%
ELECTRICAL ENDURANCE .....	1000 hour .....	3%
SOLDERING .....		-
RESISTANCE TO HEAT .....		1%
DAMP HEAT STEADY STATE .....	21 days .....	3%
SEALING .....	85°C for 1 min .....	-
MECHANICAL LIFE .....	200 cycles .....	3%
TERMINAL STRENGTH .....	2.2lbs (1kg) .....	min

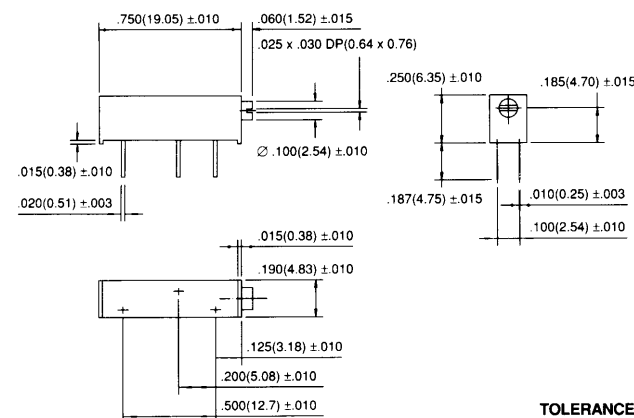
## RELATED DOCUMENTS

 PER CECC 41100	 PER IEC 68.1 PART	 PER MIL 202F
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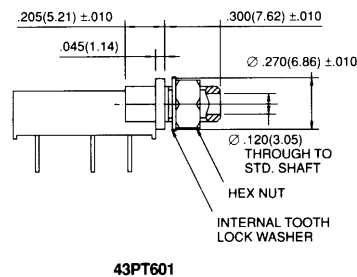
## ORDERING CODES:

STANDARD .....	43P-XXX
CLEAR LID .....	43PT040-XXX
PANEL MOUNT .....	43PT601-XXX

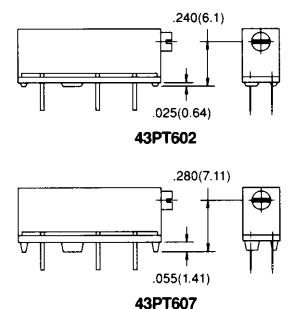
BASE RISER .....	0.24 (6.1) .....	43 PT602-XXX
BASE RISER .....	0.28 (7.1) .....	43 PT607-XXX



43P & 43PT040



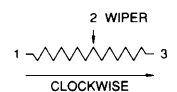
43PT601



43PT602

43PT607

TOLERANCES: UNLESS OTHERWISE NOTED  
DECIMALS ±.005 ANGLES ±2°  
DIMENSIONS: IN/(MM)



As a general policy Spectrol does not recommend the use of any of its products in life support applications where failure or malfunction of the Spectrol product can be reasonably expected to cause failure of the life support device or to significantly affect its safety or effectiveness.

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