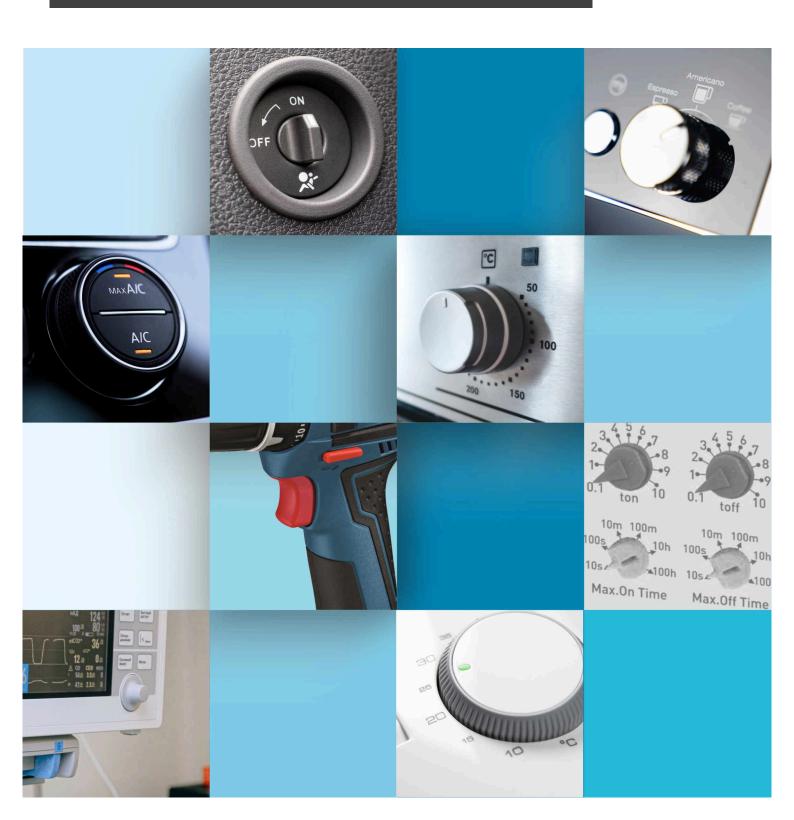




Product Guide

Potentiometers, Encoders and Panel Controls



Product Guide

Potentiometers, Encoders and Panel Controls



Adaptable to your requirements Wide range of shafts and rotors, different packaging and detent options, switch and low torque versions.



SMD Potentiometers

Detents for haptic feedback Mechanical detents add a click sensation to the rotation and allow for more precise position selection.



Dust proof housing IP54 protection according to IEC 60529.



Flame retardant plastic (UL 94V-0) Housing, rotor and shaft of cermet

potentimeters are made of non-flammable plastic. Optional for carbon potentiometers.

Ŭ	SPID Foreintoineters													
	Mod	el Size		Electrical Technology F		Power Rating (W)	Resistance Range	Taper	Standard Tolerance	Temperature Range	Rotational Life (max)	Detents		
	N-6F		6 mm	245° ±25°	Carbon	0.1 (50°C)	250Ω to 500 kΩ	Linear	±30%	-25°C to +70°C (up to +85°C)	10.000	n/a		
Trimmers	PS-6		6 mm	200° ±20°	Carbon	0.1 (50°C)	1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	10.000	New! Up to 10		
Trim	S. C.	PS-10	10 mm	n 220° ± 20° Carbon 0.15 (50°C)		1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	10.000	Up to 16			
	and a state	PSC-10	10 mm	220° ± 20°	Cermet	0.33 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-40°C to +90°C	10.000	Up to 16		
	Re-	PS-15	15 mm	240° ± 20°	Carbon	0.25 (50°C)	1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	100.000	Up to 38		
Controls	EP)	PSC-15	15 mm	240° ± 20°	Cermet	0.5 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-40°C to +90°C	10.000	Up to 38		
		STS-15	15 mm	333°	Carbon	0.25 (50°C)	1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	100.000	Up to 51		
		360° En	dless Rot	ation										

Through-Hole Potentiometers

	Model		Size Electrical Technology Angle		Technology	Power Rating (W)			Standard Tolerance			Detents
		N-6	6 mm	245° ±25°	Carbon	0.1 (50°C)	100Ω to 1 MΩ	Linear	±30%	-25°C to +70°C (up to +85°C)	100	n/a
Trimmers	P	PT-6	6 mm	200° ±20°	Carbon	0.1 (50°C)	220Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-25°C to +70°C (up to +85°C)	10.000	New! Up to 10
Trim	ŝ	PT-10	10 mm	220° ± 20°	Carbon	0.15 (50°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-25°C to +70°C (up to +85°C)	100.000	Up to 16
	S.	PTC-10	10 mm	220° ± 20°	Cermet	0.33 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-40°C to +90°C (up to +120°C)	10.000	Up to 16
	G	PT-15	15 mm	240° ± 20°	Carbon	0.25 (50°C)	100 Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-25°C to +70°C	100.000	Up to 38
Controls	(Spin	PTC-15	15 mm	240° ± 20°	Cermet	0.5 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-40°C to +90°C (up to +120°C)	10.000	Up to 38
	9	ST-15	15 mm	333°	Carbon	0.25 (50°C)	1 kΩ to 100 kΩ	Linear	±30%	-25°C to +70°C	200.000	Up to 51
		360° En	dless Rot	ation								

PIHER sensing systems

Amphenol Sensors

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Potentiometers, Encoders and Panel Controls

Mod	el	Mounting	Electrical Angle	Technology	Power Rating (W)		sistance Range		Taper			Standard Tolerance			Rotationa Life (max
	N-15	THT / SMD	340° ±10°	Carbon	0.15 (50°C)	15 (50°C) 5 kΩ			.inear / on-linear	r ±2%		±30%	-40°C to	-40°C to +120°C	
		360° Endles	ss Rotation, 4	.4 mm profile	height .										
near P	otention	neter													
Mod	el	Mounting	Mechanical Travel	Technology	Power Rating (W)		sistance Range	Та		Relati inear		andard erance	Temperat Range		Mechanic Life
	NPL	ТНТ	Up to 12 mm	Carbon	0.2 (50°C)	1 kΩ	1 to 100 kΩ	Li	near	±2%	. :	±30%	-40°C to +	105°C :	50.000 cyc
anel-M	ount Pot	entiomete	rs												
Mod	el	Mounting	Size	Electrica Angle	l Power Ra (W)	ating	Resistanc Range	e	Taper	•	Standar Toleran		perature Range	Optio	nal feature
	T-16	Solder lugs / THT	⁵ 16 mm	280° ±20	° 0.2 (50°	°C)	100Ω to 5 M	1Ω	Linear Non-line	· 1	±20%, ±30%		C to +70°C to +85°C)		nts, switch o matchin
	PC-16	Solder lugs / THT	⁵ 16 mm	280° ±20	° 0.2 (50°	°C)	100Ω to 5 N	IΩ	Linear Non-line		±20%, ±30%		C to +70°C to +85°C)	matcl	ch, sterec ning, up to gangs
1	T-18	Solder lugs / THT	⁵ 18 mm	220° ±20	° 0.25 (50	°C)	100Ω to 5 M	1Ω	Linear Non-line	· 1	±20%, ±30%		C to +70°C to +85°C)		nts, switch o matchin
P	T-21	Solder lugs / THT	⁵ 21 mm	290° ± 20	° 0.25 (50	°C)	100Ω to 5 M	1Ω	Linear Non-line		±20%, ±30%		C to +70°C to +85°C)		nts, switch o matchin
/alue-Ac	lded Par	nel Control	.S												
Mod	el	Mounting	Size	Electrica Angle	l Power Ra (W)	ating	Resistanc Range	:e	Taper	-	Standar Toleran		perature Range	Optio	nal featur
	DCM- PTT	THT	21 mm	Up to 340° ± 10	。 0.15 (50	°C)	10 kΩ		Linea	r	±20%, ±30%	/ ////	C to +120°C	Deter	ts, end st
-	FII	Push-to-Tu	ırn Panel Cor	itrol, available	as gray code	/ incr	emental end	code	er, rotary	swit	ch or pot	entiomet	er version		
	DCM- PTT-DA	6-pin connector	21 mm	280° ± 10	° 0.15 (50	°C)	10 kΩ		Linea	r	±20% ±30%	/ -40°C	C to +120°C	Deter	ts, end st
And in case of the local division of the loc															

Thick-Film Resistors

PTT-DA

Dual Shaft Push-to-Turn Panel Control, only on request

Life	Size	Electrical Travel	Resistance Range	Taper	Output	Films	Optional Features			
Up to 5M	Any	Any	10Ω to 1ΜΩ	Any	Linear Non-linear Stepped Custom	Conductive Resistive Dielectric	Redundancy Controlled linearity Ceramic substrates			
Any combination of fixed resistors, switches, potentiometer tracks and conductors onto virtually any size, shape or PCB form										

Contactless Panel-Mount Control												
Model		Mechanical Angle	Electrical Angle	Technology	Linearity	Resolution	Output Protocol	Output Range	Supply Voltage	Supply Current	Connection	
2	PSE-360	360°	40° to 360°	Hall-Effect	±1% absolute	12 bits	Analog, PWM	10% to 90% Vdc, 90% to 10% Vdc	5V ±10%	Typ 8.5 mA	Fly leads or connector	
		Compact Par	nel Mount Ha	ll-Effect Rotar	y Sensor							
	PSE-290	290°	270°	Hall-Effect	±1% absolute	12 bits	Analog, PWM	10% to 90% Vdc, 90% to 10% Vdc	5V ±10%	Typ 8.5 mA	Fly leads or connector	
		Compact Par	nel Mount Ha	ll-Effect Rotar	y Sensor wi	th mechanica	l end stop					

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