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An Introduction to
Curtis Industries
A Div. of Powers Holdings, Inc.

Flash Version

PDF Version

Series SE/SEI .25" (1/4") 6.35mm

Miniature Feed-Thru Printed Circuit and Surface Connection

Features

- ✓ **Superior Construction**
- ?

Integrally mounted .116" diameter mounting holes
- ?

External terminals available in two No. 2-56 screw designs 22 AWG to 16 AWG
- ?

Internal terminals include .047" diameter printed circuit pin, and turret-type solder pins
- ?

Barrier-type construction
- ?

High-impact, break-resistant thermoplastic
- ✓ **Versatility**
- ?

SE Series offers all the compactness and versatility of the SEI Series without full feed-through insulation
- ?

One through 26 terminals on 1/4" center-to-center spacing
- ?

Two No. 2-56 screw designs



✓ **UL Recognized**

✓ **CSA Certified**

Engineering Specifications

Center-to-Center Spacing: 1/4" (6.35mm)
Wire Range: UL recognized for No.22AWG to No.16AWG. Models SESX, SEIPX, SEIFX, SEPX and SEFX with standard No.2.56 plated steel screw are UL recongnized "for factory wiring only". Models SESCX, SEPCX, SEFCX, SEIPCX and SEIFCX are UL recognized "for field wiring" when ordered with special No.2-56 stainless steel screw.

Number of Terminals: 1 thru 26
Voltage Rating: UL & CSA

- 150 volts - General Industrial
- 250 volts - Commercial Appliance

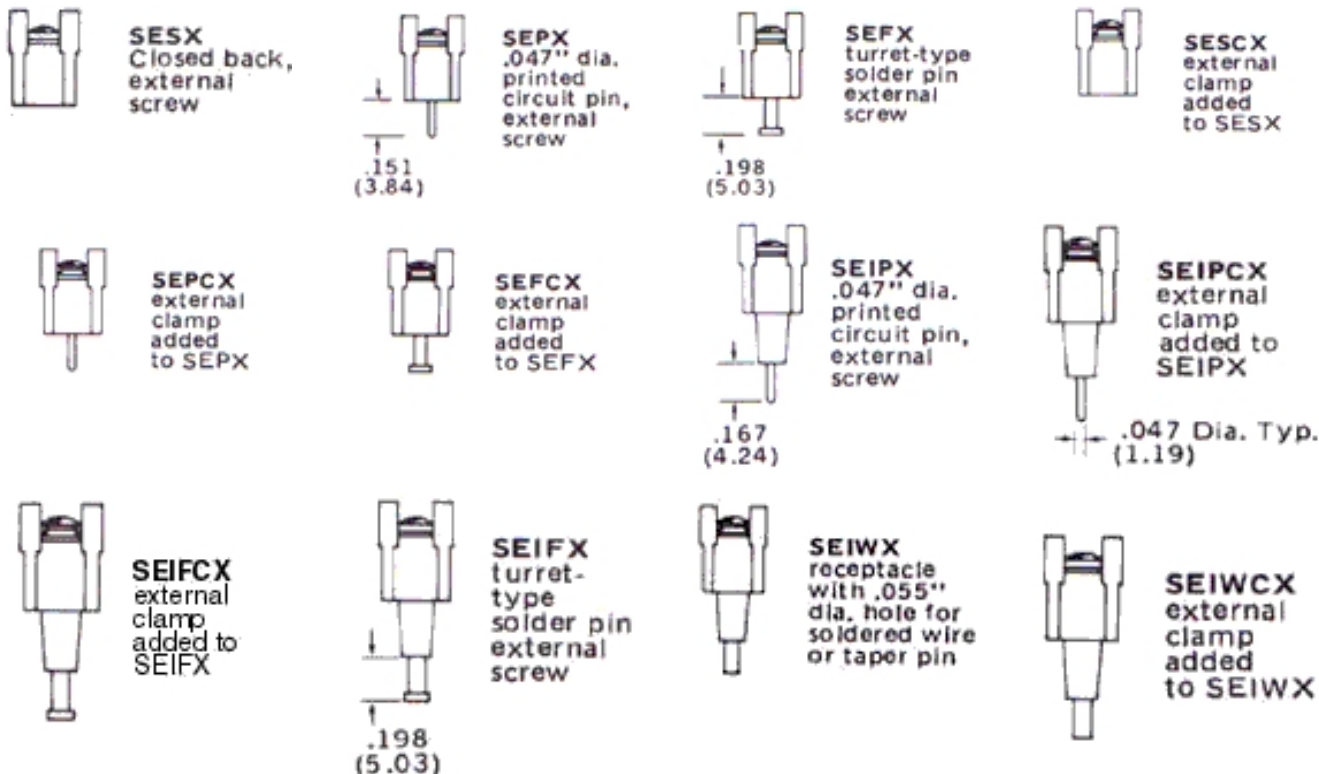
Tighening Torque: Wire clamp with stainless steel screw 3 in. -lbs.

Current Rating: 5 amps UL

Housing:	"X" Grade
Material	Polyphenylene Oxide
Continuous Use Temp.110° C (230°F) (UL Index)	
Flamability Rating	94V-0
Water Absorption (24hrs. % wt. gain)	.06%
Chemical Resistance	Resistant to inorganic basis and acids - for organic substances contact factory for specific resistance.

Breakdown Voltage	
Terminal - Terminal	3,600V Typ.
Terminal - Terminal	4,700V Typ.
NOTE: Specifications contained herein are subject to change without notice.	

Variations



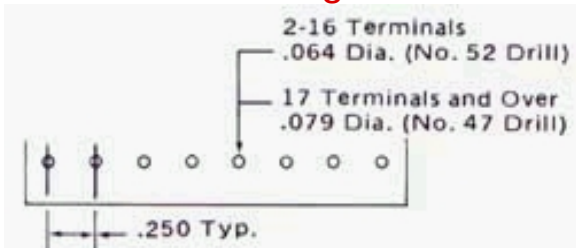
Internal Terminal Designations

SESX	Closed-back design which can be mounted on metal surface with no additional insulation required.
SEPX, SEIPX	Printed circuit board design with .047" tin-plated brass pin.
SEFX, SEIFX	Tin-plated brass turret-type solder pin.

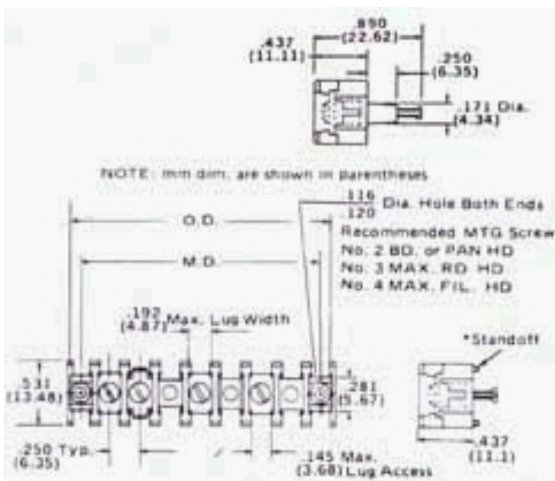
External Terminal Designations

SESX,SEPX, SEFX,SEIPX, SEIFX	No. 2-56 plated steel* terminal screw accepting up to No. 16AWG wire.
SESCX,SEPCX, SEFCX,SEIPCX, SEIFCX	Nickel-plated brass surface clamp to eliminate lugging. Accepts wire up to No.16AWG.

P.C. Board Drilling Directions



Dimensions



No. of Terminals	Mounting Dimensions		Overall Dimensions		Less Mounting Positions	
	Inches	Metric (mm)	inches	Metric (mm)	Inches	Metric (mm)
1	.500	12.70	.781	19.84	.375	9.52
2	.750	19.05	1.031	26.19	.625	15.87
3	1.000	25.40	1.281	32.54	.875	22.22
4	1.250	31.75	1.531	38.89	1.125	28.57
5	1.500	38.10	1.781	45.24	1.375	34.92
6	1.750	44.45	2.031	51.59	1.625	41.27
7	2.000	50.80	2.281	57.94	1.875	47.62
8	2.250	57.15	2.531	64.29	2.125	53.97
9	2.500	63.50	2.781	70.64	2.375	60.32
10	2.750	69.85	3.031	76.99	2.625	66.67
11	3.000	76.20	3.281	83.34	2.875	73.37
12	3.250	82.55	3.531	89.69	3.125	79.37
13	3.500	88.90	3.781	96.04	3.375	85.72
14	3.750	95.25	4.031	102.39	3.625	92.07
15	4.000	101.60	4.281	108.74	3.875	98.42
16	4.250	107.95	4.531	115.09	4.125	104.77
17	4.500	114.30	4.781	121.44	4.375	111.12
18	4.750	120.65	5.031	127.79	4.625	117.47
19	5.000	127.00	5.281	134.14	4.875	123.82
20	5.250	133.35	5.531	140.49	5.125	130.17
21	5.500	139.70	5.781	146.84	5.375	136.52
22	5.750	146.05	6.031	153.19	5.625	142.87
23	6.000	152.40	6.281	159.54	5.875	149.22
24	6.250	158.75	6.531	165.89	6.125	155.57
25	6.500	165.10	6.781	172.24	6.375	161.92
26	6.750	171.45	7.031	178.59	6.625	168.27

How to Order

SEI and SE Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application.

Suffixes are used as follows:
R - denotes model less mounting positions

*The SEPX and SEFX are made with .020" standoffs for ease in cleaning after the soldering operation.