Process Signal to Frequency/Pulse Converter - Part Numbering

GB-PC/sg-ofwi/p Process Signal to Freq/Pulse Converter [input]/[output] [options] [aux supply]

s - signal input type: I = current, V = voltage, R = resistance, F = frequency

g - input signal range:

current (s=I):
A = 4 - 20 mA
B = 0 - 20 mA
C = ±5.5 mA
D = 0 - 1 mA
E = 0 - 5 mA
G = ±5.0 mA
L = 0 - 200 mA
M = 0 - 1 A
N = 0 - 5 A
P = 0 – 10 A
Q = 4 – 20 mA Loop Powered
R = 0 - 1 A AC
S = 0 - 5 A AC

voltage (s=V):
A = 0 - 10 V
B = 0 - 50 mV
C = ±50 mV
D = 0 - 5 V
E = ±5 V
F = 1 - 5 V
G = ±10 V
H = 0 - 100 mV
I = 0 - 150 mV
J = ±150 mV
K = 0 - 1 V
L = 0 - 20 V
M = 0 - 30 V
N = ±200 mV
O = ±20 V
P = ±1.25 V
Q = 0 - 60 mV
R = ±1.5 V
S = 0 - 200 mV
T = 0 - 15 V
U = ±20 mV
V = ±100 mV
W = ±50 V
X = 0 - 3 V
Y = 0 - 100 V
AA = 0 – 800 mV
AB = ±400 mV
AC = 0 - 1300 mV
AE = 0 – 50 V
AF = ±75 mV
AG = 0 - 24 V
AK = ±100 V
AM = 0 - 60 V
AN = 0 - 12 V
AO = 0 - 30 mV
AQ = 0 – 74 V
*AR = 0 – 180 VDC
*AS = 0 – 110 VDC

AT = 0 - 130 VAC
AU = 0 - 250 VAC

resistance (s=R):
A = 0 – 100 Ω
B = 0 – 500 Ω
C = 0 – 1 kΩ
D = 0 – 5 kΩ
E = 0 – 10 kΩ

frequency (s=F):
kznnn - As per Frequency to Process Signal Converter (FPSC) – frequency range and input signal types or on request.

o - output type:

O = Relay Normally Open
C = Relay Normally Closed

T = Transistor – uncommitted
U = Transistor +12V open collector 220 Ω
V = Transistor +12V open collector 0 Ω

A = Voltage +24 V 30 mA 2.2 kΩ
B = Voltage +24 V 30 mA 220 Ω
C = Voltage +24 V 30 mA 4.7 kΩ
D = Voltage +12 V 30 mA 220 Ω
E = Voltage +12 V 30 mA 0 Ω

F = Voltage ±12 V 10 mA
G = Voltage +12 V 10 mA

H = Voltage ±5 V 10 mA
I = Voltage +5 V 10 mA

f - frequency range:

Basic Range – can set the actual output range anywhere within the basic range:
A = 0.01 - 1 Hz
B = 0.01 - 10 Hz
C = 0.1 - 100 Hz
D = 1 - 1,000 Hz
E = 10 - 10,000 Hz
F = 10 - 100,000 Hz

Specific Ranges – we can customize for your application, these are ones we have done for customers:
G = 0 – 1.38 pulses/sec (0.72 Hz)
H = 0 – 30 Hz
J = 400 – 3600 pulses/hour
K = Integrated Input (4-20 mA = 0 to 1,000 kg) - 1 pulse/100 kg
L = 0 – 103 pulses/hour
M = 0 – 7000 pulses/hour (0 - 1.94 Hz)

w- pulse width (cannot be less than the minimum pulse period):
A = 50% of current period
B = constant at 50% of period at maximum frequency
C = 0.1 mS
D = 10 µS
E = 1 sec
F = 0.5 sec
G = 50 mS

i - output inversion:
N = not inverted
I = inverted

p - auxiliary power supply:
C = 24 VDC
D = 12 VDC
J = 22 – 30 VDC
M = 11 – 16 VDC
P = 6 – 7.2 VDC