# Signal Converter - Part Numbering

GB-SC/kg-nt/ip  Signal Converter [input]/[output] [aux supply]

k - signal input type: I = current, V = voltage

g - input signal range

*current (k=**I**):*

A = 4 - 20 mA
B = 0 - 20 mA
C = ±5.5 mA
D = 0 - 1 mA
E = 0 - 5 mA
F = 0 - 50 mA
G = ±5.0 mA
H = ±150mA
J = 0 – 60mA
L = 0 - 200 mA
M = 0 - 800 mA
N = 0 - 1A DC
P = ±10.0 mA

*voltage (k=**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 = ±200mV
O = ±20V
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
Z = 0 - 120 V
AA = 0 – 800 mV
AB = ±400 mV
AC = 0 - 1300 mV
AD = 0 -200 V
AE = 0 – 50 V
AF = ±75 mV DC
AG = 0 - 24 VDC
AH = 0 - 150 VDC
AJ = 0 - 300 VDC
AK = ±100 V
AL = 0 - 3 VDC
AM = 0 - 60 VDC
AN = 0 - 12 VDC
AO = 0 - 30 mV
AP = 0 – 75 mV
AQ = 0 – 74 VDC
AR = 0 – 180 VDC
AS = 0 – 110 VDC
AT = ±1.0 V
AU = 0 - 240 VDC
AV = 0 - 350 VDC
AW = 0 - 500 VDC
AX = 0-25 VDC
AY = ±60 V
AZ = 0 – 185 VDC
BA= 0 – 20 mV

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n - output signal type
I = current  V = voltage

t - output signal range

*current (n=**I**):*

A = 4 - 20 mA
B = 0 - 20 mA
C =
D = 0 - 1 mA
E = 0 - 5 mA
F = 20 - 4 mA

*voltage (n=**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
K = 0 - 1 V
L = ±1 V
M= 0 – 20 mV
N = 0 – 100 mV
P = ±100 mV
T = 0 - 15 V

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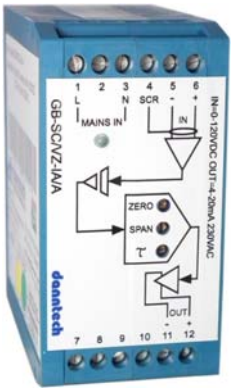
i - internal configuration **(When no special internal configuration is used this letter is omitted)**
O = open collector output configuration
E = 0 - 5 V with span adjustment 4.5 to 5.5 V (specifically for Tioxide SA)
I = inverted output operation
F= internal filtering disabled (for fastest frequency response)

p - auxiliary power supply
A = 230 VAC
B = 115 VAC
AB = 90 – 260 VAC
C = 24 VDC
D = 12 V
J = 9 – 36 VDC; K = 18 – 75 VDC




**CURRENT INPUT**
4 - 20 mA = A
0 - 20 mA = B
±5.5 mA = C
0 - 1 mA = D
0 - 5 mA = E
0 - 200 mA = L
0 - 800 mA = M

**VOLTAGE INPUT**
0 - 10 V = A
0 - 50 mV = B
±50 mV = C
0 - 5 V = D
±5 V = E
1 - 5 V = F
±10 V = G
0 - 100 mV = H
0 - 150 mV = I
±150 mV = J
0 - 1 V = K
0 - 20 V = L
0 - 30 V = M
±1.25 V = P
0 - 60 mV = Q
±1.5 V = R
0 - 200 mV = S
0 - 15 V = T
±20 mV = U
±100 mV = V
±50 V = W
0 - 3 V = X
0 - 100 VDC = Y
0 - 120 VDC = Z
0 - 800 mV = AA
±400 mV = AB
0 - 1300 mV = AC
0 - 200 VDC = AD
0 - 50 VDC = AE
±75 mV = AF
0 - 24 VDC = AG
0 - 150 VDC = AH
0 - 300 VDC = AJ
±100 VDC = AK

**GB-SC/ □ □ - □ □ / □ □**

**CURRENT OUTPUT**
A = 4 - 20 mA
B = 0 - 20 mA
D = 0 - 1 mA
E = 0 - 5 mA
F = 20 - 4 mA

**VOLTAGE OUTPUT**
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
K = 0 - 1 V
M = 0 - 20 mV

***Auxiliary Power Supply***
A = 230 VAC
B = 115 VAC
C = 24 VDC
D = 12 VDC

***Internal Configuration***
I = inverted signal output
O = open collector output configuration
E = wide range zero and span adjustment
F = internal filter DISABLED, for fast response
(leave this letter out if none of these options are used)

***Example:***
GB-SC/IA-VA/B is
Input = 4-20 mA
Output = 0-10 V
Auxiliary Supply = 115 VAC

**Customized inputs and outputs available on request.**