VX10-A2

Actual product appearance may vary.

VX Series Solid State Basic Switch with flat medium lever; output normally off

Features

- Plunger operated non-contact digital output
- Low force operation
- Direct interface to solid state circuits
- Reverse voltage protection
- Rugged construction
- Tested to over 100 million operations
- Wide variety of standard levers and actuators available
- Lever external to switch body
- Industry standard mounting holes
- No external terminals - uses standard keyed and locking plug-in connectors
- UL recognized, CSA certified
- Plunger is acetal copolymer. Housing is PBT polyester.

Product Specifications	
Product Type	Hall-Effect Basic Switch
Transistor State	Normally Off
Lever Style	Flat Medium
Package Style	V Switch
Supply Voltage	4.5 Vdc to 24.0 Vdc
Output Type	Sink
Termination Type	AMP Connector
Operating Temperature Range	-40 °C to 70 °C [-40 °F to 158 °F]
Output Voltage	0.4 Vdc max.
Switching Time Rise (10 % to 90 %)	1.5 µs max.
Switching Time Fall (90 % to 10 %)	1.0 µs max.
Availability	Global

Operating Force	0,06 N [0.20 oz]
Supply Current (max. @ 25 °C)	15 mA
Output Current (max.)	10 mA
Lever Actuation Point	35,6 mm [1.400 in]
Pretravel (PT) max.	5,33 mm [0.210 in]
Overtravel (OT) min.	2,16 mm [0.085 in]
Operating Position (OP)	13,94 mm [0.549 in] min.
Series Name	VX

Operating Force	0,06 N [0.20 oz]
Supply Current (max. @ 25 °C)	15 mA
Output Current (max.)	10 mA
Lever Actuation Point	35,6 mm [1.400 in]
Pretravel (PT) max.	5,33 mm [0.210 in]

ABSOLUTE MAXIMUM RATINGS

SUPPLY VOLTAGE (Vs)	−24 TO +28 VOLTS DC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	28 VOLTS DC MAX WITH OUTPUT TRANSISTOR IN OFF CONDITION ONLY △1 △6
	−0.5 VOLTS MIN WITH OUTPUT TRANSISTOR IN ON OR OFF CONDITION △1 △6
LOAD ON OUTPUT	20mA
TEMPERATURE △11	−40°C TO +70°C EXCEPT SPECIAL LISTINGS

ELECTRICAL CHARACTERISTICS △1

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT △2		5mA	15mA	OUTPUT TRANSISTOR OFF △6
OUTPUT VOLTAGE △1 △3 (OUTPUT TRANSISTOR ON) △5 △6		0.15V	0.4V	SINKING 10mA MAX
OUTPUT LEAKAGE △1 △3 CURRENT (OUTPUT TRANSISTOR OFF) △5 △6			10 μA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 10mA) △3 △5				
RISE TIME		0.5 μS	1.5 μS	10% TO 90%
FALL TIME		0.5 μS	1.0 μS	90% TO 10%

NOTES
△1 REFER TO CHART TO DETERMINE THE UNACTUATED OUTPUT VOLTAGE AND OUTPUT TRANSISTOR STATE
△2 AT 24°C ± 2°C AND SUPPLY VOLTAGE OF 4.5 TO 24 VOLTS DC
△3 OVER A TEMPERATURE RANGE OF 0°C TO +70°C
△4 LEVER MAY NOT BE SELF RETURNING WHEN MOUNTED WITH WEIGHT OF LEVER ON SWITCH PLUNGER
△5 SUPPLY VOLTAGE OF 4.5 TO 24 VOLTS DC
△6 "TRANSISTOR ON" CONDITION IS DEFINED TO BE WHEN THE OUTPUT TRANSISTOR IS CONDUCTING CURRENT
7 − BLACK PLUNGER INDICATES NORMALLY HIGH OUTPUT; RED PLUNGER INDICATES NORMALLY LOW OUTPUT
△8 ACCEPTS CONNECTOR EQUIVALENT TO AMP PART NO. 102241−1
△9 ACCEPTS CONNECTOR EQUIVALENT TO MOLEX PART NO. 50−57−9403
△10 SPECIAL LEVER FORM
△11 SPECIAL TEMPERATURE FOR GE −40°C TO +60°C

STYLE 1

4,32 / .170
15,8 / .62
△8

STYLE 2

10,2 / .40
△9

20,19±0,25 / .795±.010
R 3,0 / R .12
3,05 / .120
2,79 / .110
2,8 / .11
Ø 3,20 / Ø .126
10,31 / .406
F G E
Ø3,51 / Ø.138
3,20 / .126
3,81 / .150
22,22 ±0,25 / .875 ±.010
28,83±0,25 / 1.135±.010

MICRO SWITCH
FREEPORT, ILL. U.S.A.

Ø 4,8/.19 X 4,8/.19 WIDE
OIL BRONZE ROLLER
(CONCENTRICITY Ø 0,13/.005 FIM)

D / 8,1 .32 / E G F
TYPE A

3,0 .12 / D / 8,1 .32 / E G F / R 3,0 R .12
TYPE B

D / 8,1 .32 / E G F
TYPE C

D / E G / F
TYPE F

TYPE H

SCALE: FULL SIZE

BLOCK DIAGRAM

VOLTAGE REGULATOR
HALL SENSOR
TRIGGER CIRCUIT AND AMPLIFIER
Vs (+)
OUTPUT (O)
GROUND (−)

BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUT

F
+
O
−
SWITCH SYMBOL

REVISIONS
A	C07990 2	J A F 7 FEB 95
B	PR22156	J A K 14 AUG 96
C	C083741	J A K 8 OCT 96
D	C093789	D L T 3 NOV 98
E	PR23775	P P F 09 DEC 98
F	PR23787	P P F
G	PR23760	G R T 25 FEB 99
H	C093843	D L T 14 APR 99
J	C095107	G J W 29 APR 99
K	CO-95704	D L M 22 MAR 00

CHECK J A F 09 DEC 98
CHECK J A G 16 FEB 95
CHECK K A G 16 FEB 95
DRAWN J A F 7 FEB 95

THIRD ANGLE PROJECTION
SCALE 3 : 1
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) ±.030
TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±
WEIGHT

CAUTION ELECTROSTATIC SENSITIVE
ESD SENSITIVITY: CLASS 3

MICRO SWITCH a Honeywell Division
SWITCH − SOLID STATE
CATALOG LISTING
VX SERIES
CHART 1
FED. MFG. CODE 91929

MASTER REDUCED
ANSI Y14.5M−1982 APPLIES

"D" LEVER ACTUATION POINT	LEVER TYPE	"E" FREE POSITION (MAX)	"F" OPERATION POINT (MIN)	"G" RELEASE POINT (MAX)	OVER-TRAVEL (MIN)	DIFF TRAVEL (MIN)	FORCE AT OPERATE POINT OUNCES	FORCE AT OPERATE POINT GRAMS	UNACTUATED OUTPUT VOLTAGE	OUTPUT TRANSISTOR /6\	CATALOG LISTING STYLE 1 /8\	CATALOG LISTING STYLE 2 /9\
.795	NONE	16,38 / .645	14,22 / .560	15,54 / .612	1,02 / .040	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10	VX12
									LOW	ON	VX11	VX13
							3.0±.88	85±25	HIGH	OFF	VX80	(H)
									LOW	ON	VX81	(H)
.860	A	17,27 / .680	14,71 / .579	16,33 / .643	1,02 / .040	0,05 / .002	.35±.2	10±5	HIGH	OFF	VX10−A1	VX12−A1
									LOW	ON	VX11−A1	
							2.8±1.1	80±30	HIGH	OFF	VX80−A1	(H)
									LOW	ON	VX81−A1	
1.400	A	19,28 / .759	13,94 / .549	17,32 / .682	2,16 / .085	0,10 / .004	0.2±.1	5 +3 −2	HIGH	OFF	VX10−A2	(H)
									LOW	ON	(H)	VX13−A2
							1.41±.50	40±15	HIGH	OFF	VX80−A2	VX82−A2
									LOW	ON	VX81−A2	
2.340	A	22,58 / .889	12,62 / .497	18,97 / .747	4,06 / .160	0,20 / .008	.10±.07	3±2	HIGH	OFF	VX10−A3	VX12−A3
									LOW	ON	VX11−A3	VX13−A3
							.75 +.35 −.25	21 +9 −7	HIGH	OFF	VX80−A3	(H)
									LOW	ON	VX81−A3	
1.285	B	22,23 / .875	17,02 / .670	20,52 / .808	1,91 / .075	0,10 / .004	0.20 +.15 −.10	5 +4 −2	HIGH	OFF	VX10−B1	VX12−B1
									LOW	ON	VX11−B1	VX13−B1
							1.55±.53	44±15	HIGH	OFF	VX80−B1	(H)
									LOW	ON		
.810	C	22,48 / .885	19,99 / .787	21,62 / .851	1,02 / .040	0,05 / .002	.40±.20	12±5	HIGH	OFF	VX10−C1	VX12−C1
									LOW	ON	VX11−C1	VX13−C1
							3.0±1.06	85±30	HIGH	OFF	VX80−C1	(H)
									LOW	ON	VX81−C1	
.795 /A\	A	17,78 / .700	14,73 / .580	16,13 / .635	1,02 / .040	0,10 / .004	.35 +.18 −.14	10 +5 −4	LOW	ON	VX81−A2−GE	
1.226	F	25,73 / 1.013	21,72 / .855	23,98 / .944	1,65 / .065	0,13 / .005	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F1 VX11−F1	
1.250	F	25,58 / 1.007	21,72 / .855	23,83 / .938	1,65 / .065	0,13 / .005	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−FA	

SOLDER PLATED TERMINALS

NOTE
/A\ MEASUREMENTS TAKEN OVER PLUNGER

MICRO SWITCH a Honeywell Division
FED. MFG. CODE 91929
SWITCH − SOLID STATE

CATALOG LISTING
VX SERIES
CHART 1

MASTER REDUCED
ANSI Y14.5M−1982 APPLIES

THIRD ANGLE PROJECTION
SCALE NONE
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) ±.030
TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±
WEIGHT

UNLESS OTHERWISE NOTED MECHANICAL CHARACTERISTICS ARE GIVEN ON LEVER OVER PLUNGER

"D" LEVER ACTUATION POINT	LEVER TYPE	"E" FREE POSITION (MAX)	"F" OPERATION POINT (MIN)	"G" RELEASE POINT (MAX)	OVER-TRAVEL (MIN)	DIFF TRAVEL (MIN)	FORCE AT OPERATE POINT OUNCES	FORCE AT OPERATE POINT GRAMS	UNACTUATED OUTPUT VOLTAGE	OUTPUT TRANSISTOR /6\	CATALOG LISTING STYLE 1 /8\	CATALOG LISTING STYLE 2 /9\	COMMENTS
.795	F /10\	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F4		GENICOM DRAWING NO. 44A501960−001
.795	H	17,02 / .670	15,37 / .605	16,69 / .657	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓖ		
.795	F /10\	17,02 / .670	14,86 / .585	16,69 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	LOW	ON	Ⓖ		
.795	H	17,02 / .670	15,37 / .605	16,69 / .657	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−H2		
	NONE	16,38 / .645	14,22 / .560	15,54 / .612	1,02 / .040	0,05 / .002	1.2±.18	34±5	HIGH	OFF	VX30HP		
.795	A	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓖ		
.795	F	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓖ		
.795	F	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F8		
.810	C	22,48 / .885	19,99 / .787	21,62 / .851	1,02 / .040	0,05 / .002	.19±.09	5.4±2.6	HIGH	OFF	VX10−C1L		

MICRO SWITCH a Honeywell Division   SWITCH − SOLID STATE
FED. MFG. CODE 91929
CATALOG LISTING VX SERIES CHART 1

MASTER REDUCED
ANSI Y14.5M−1982 APPLIES

THIRD ANGLE PROJECTION
SCALE NONE
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) ±.030
TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±
WEIGHT

UNLESS OTHERWISE NOTED MECHANICAL CHARACTERISTICS ARE GIVEN ON LEVER OVER PLUNGER

"D" LEVER ACTUATION POINT	LEVER TYPE	"E" FREE POSITION (MAX)	"F" OPERATION POINT (MIN)	"G" RELEASE POINT (MAX)	OVER-TRAVEL (MIN)	DIFF TRAVEL (MIN)	FORCE AT OPERATE POINT		UNACTUATED OUTPUT VOLTAGE	OUTPUT TRANSISTOR ⑥	CATALOG LISTING STYLE 1 ⑧	STYLE 2 ⑨	IBM DRAWING NO.	COMMENTS
							OUNCES	GRAMS						
.795	F △10	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F1		4592340	
.795	F △10	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓕ		4593242	
.795	F △10	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓕ		4593470	
.795	F △10	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓕ		4592552	

IBM CORPORATION SWITCHES ONLY THIS PAGE

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±

MICRO SWITCH a Honeywell Division
FED. MFG. CODE 91929

SWITCH − SOLID STATE

CATALOG LISTING
VX SERIES
CHART 1

MASTER REDUCED
ANSI Y14.5M−1982 APPLIES

WEIGHT

STYLE 1

4,32 / .170

15,8 / .62

△8

STYLE 2

10,2 / .40

△9

20,19±0,25 / .795±.010

R 3,0 / R .12

3,05 / .120

2,79 / .110

2,8 / .11

Ø 3,20 / Ø .126

10,31 / .406

MICRO SWITCH
FREEPORT, ILL. U.S.A.

F G E

Ø3,51 / Ø .138

3,20 / .126

3,81 / .150

22,22 ±0,25 / .875 ±.010

28,83±0,25 / 1.135±.010

Ø 4,8/.19 X 4,8/.19 WIDE
OIL BRONZE ROLLER
(CONCENTRICITY Ø 0,13/.005 FIM)

D   8,1/.32

E G F

TYPE A

3,0/.12   D   8,1/.32

E G F   R 3,0/R .12

TYPE B

D   8,1/.32

E G F

TYPE C

D

E G   F

TYPE F

TYPE H

SCALE: FULL SIZE

ABSOLUTE MAXIMUM RATINGS

SUPPLY VOLTAGE (Vs)	−24 TO +28 VOLTS DC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	28 VOLTS DC MAX WITH OUTPUT TRANSISTOR IN OFF CONDITION ONLY /1\/6\
	−0.5 VOLTS MIN WITH OUTPUT TRANSISTOR IN ON OR OFF CONDITION /1\/6\
LOAD ON OUTPUT	20mA
TEMPERATURE /11\	−40°C TO +70°C EXCEPT SPECIAL LISTINGS

ELECTRICAL CHARACTERISTICS /1\

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT /2\		5mA	15mA	OUTPUT TRANSISTOR OFF /6\
OUTPUT VOLTAGE /1\/3\ (OUTPUT TRANSISTOR ON) /5\/6\		0.15V	0.4V	SINKING 10mA MAX
OUTPUT LEAKAGE /1\/3\ CURRENT (OUTPUT TRANSISTOR OFF) /5\/6\			10μA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 10mA) /3\/5\				
RISE TIME		0.5μS	1.5μS	10% TO 90%
FALL TIME		0.5μS	1.0μS	90% TO 10%

NOTES
/1\ REFER TO CHART TO DETERMINE THE UNACTUATED OUTPUT VOLTAGE AND OUTPUT TRANSISTOR STATE
/2\ AT 24°C ± 2°C AND SUPPLY VOLTAGE OF 4.5 TO 24 VOLTS DC
/3\ OVER A TEMPERATURE RANGE OF 0°C TO +70°C
/4\ LEVER MAY NOT BE SELF RETURNING WHEN MOUNTED WITH WEIGHT OF LEVER ON SWITCH PLUNGER
/5\ SUPPLY VOLTAGE OF 4.5 TO 24 VOLTS DC
/6\ "TRANSISTOR ON" CONDITION IS DEFINED TO BE WHEN THE OUTPUT TRANSISTOR IS CONDUCTING CURRENT
7 − BLACK PLUNGER INDICATES NORMALLY HIGH OUTPUT; RED PLUNGER INDICATES NORMALLY LOW OUTPUT
/8\ ACCEPTS CONNECTOR EQUIVALENT TO AMP PART NO. 102241−1
/9\ ACCEPTS CONNECTOR EQUIVALENT TO MOLEX PART NO. 50−57−9403
/10\ SPECIAL LEVER FORM
/11\ SPECIAL TEMPERATURE FOR GE −40°C TO +60°C

VOLTAGE REGULATOR

Vs (+)

HALL SENSOR

TRIGGER CIRCUIT AND AMPLIFIER

OUTPUT (O)

GROUND (−)

BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUT

F   +

O

−

SWITCH SYMBOL

CAUTION ELECTROSTATIC SENSITIVE
ESD SENSITIVITY: CLASS 3

THIRD ANGLE PROJECTION

SCALE 3:1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) ±.030
TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±
WEIGHT

MICRO SWITCH
a Honeywell Division

SWITCH − SOLID STATE

CATALOG LISTING
VX SERIES
CHART 1

FED. MFG. CODE 91929

MASTER REDUCED
ANSI Y14.5M−1982 APPLIES

SOLDER PLATED TERMINALS

"D" LEVER ACTUATION POINT	LEVER TYPE	"E" FREE POSITION (MAX)	"F" OPERATION POINT (MIN)	"G" RELEASE POINT (MAX)	OVER-TRAVEL (MIN)	DIFF TRAVEL (MIN)	FORCE AT OPERATE POINT		UNACTUATED OUTPUT VOLTAGE	OUTPUT TRANSISTOR /6\	CATALOG LISTING STYLE 1 /8\	STYLE 2 /9\
							OUNCES	GRAMS				
.795	NONE	16,38 / .645	14,22 / .560	15,54 / .612	1,02 / .040	0,05 / .002	$.35^{+.18}_{-.14}$	10^{+5}_{-4}	HIGH	OFF	VX10	VX12
									LOW	ON	VX11	VX13
							3.0±.88	85±25	HIGH	OFF	VX80	(H)
									LOW	ON	VX81	(H)
.860	A	17,27 / .680	14,71 / .579	16,33 / .643	1,02 / .040	0,05 / .002	.35±.2	10±5	HIGH	OFF	VX10-A1	VX12-A1
									LOW	ON	VX11-A1	
							2.8±1.1	80±30	HIGH	OFF	VX80-A1	(H)
									LOW	ON	VX81-A1	
1.400	A	19,28 / .759	13,94 / .549	17,32 / .682	2,16 / .085	0,10 / .004	0.2±.1	5^{+3}_{-2}	HIGH	OFF	VX10-A2	(H)
									LOW	ON	(H)	VX13-A2
							1.41±.50	40±15	HIGH	OFF	VX80-A2	VX82-A2
									LOW	ON	VX81-A2	
2.340	A	22,58 / .889	12,62 / .497	18,97 / .747	4,06 / .160	0,20 / .008	.10±.07	3±2	HIGH	OFF	VX10-A3	VX12-A3
									LOW	ON	VX11-A3	VX13-A3
							$.75^{+.35}_{-.25}$	21^{+9}_{-7}	HIGH	OFF	VX80-A3	(H)
									LOW	ON	VX81-A3	
1.285	B	22,23 / .875	17,02 / .670	20,52 / .808	1,91 / .075	0,10 / .004	$0.20^{+.15}_{-.10}$	5^{+4}_{-2}	HIGH	OFF	VX10-B1	VX12-B1
									LOW	ON	VX11-B1	VX13-B1
							1.55±.53	44±15	HIGH	OFF	VX80-B1	(H)
									LOW	ON		
.810	C	22,48 / .885	19,99 / .787	21,62 / .851	1,02 / .040	0,05 / .002	.40±.20	12±5	HIGH	OFF	VX10-C1	VX12-C1
									LOW	ON	VX11-C1	VX13-C1
							3.0±1.06	85±30	HIGH	OFF	VX80-C1	(H)
									LOW	ON	VX81-C1	
.795 /A\	A	17,78 / .700	14,73 / .580	16,13 / .635	1,02 / .040	0,10 / .004	$.35^{+.18}_{-.14}$	10^{+5}_{-4}	LOW	ON	VX81-A2-GE	
1.226	F	25,73 / 1.013	21,72 / .855	23,98 / .944	1,65 / .065	0,13 / .005	$.35^{+.18}_{-.14}$	10^{+5}_{-4}	HIGH	OFF	VX10-F1 VX11-F1	
1.250	F	25,58 / 1.007	21,72 / .855	23,83 / .938	1,65 / .065	0,13 / .005	$.35^{+.18}_{-.14}$	10^{+5}_{-4}	HIGH	OFF	VX10-FA	

NOTE
/A\ MEASUREMENTS TAKEN OVER PLUNGER

MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

SWITCH – SOLID STATE

CATALOG LISTING
VX SERIES CHART 1

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

THIRD ANGLE PROJECTION
SCALE NONE
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) ±.030
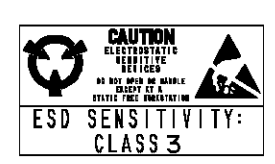TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±
WEIGHT

UNLESS OTHERWISE NOTED MECHANICAL CHARACTERISTICS ARE GIVEN ON LEVER OVER PLUNGER

"D" LEVER ACTUATION POINT	LEVER TYPE	"E" FREE POSITION (MAX)	"F" OPERATION POINT (MIN)	"G" RELEASE POINT (MAX)	OVER-TRAVEL (MIN)	DIFF TRAVEL (MIN)	FORCE AT OPERATE POINT OUNCES	FORCE AT OPERATE POINT GRAMS	UNACTUATED OUTPUT VOLTAGE	OUTPUT TRANSISTOR /6\	CATALOG LISTING STYLE 1 /8\	CATALOG LISTING STYLE 2 /9\	COMMENTS
.795	F /10\	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F4		GENICOM DRAWING NO. 44A501960−001
.795	H	17,02 / .670	15,37 / .605	16,69 / .657	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	(G)		
.795	F /10\	17,02 / .670	14,86 / .585	16,69 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	LOW	ON	(G)		
.795	H	17,02 / .670	15,37 / .605	16,69 / .657	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−H2		
	NONE	16,38 / .645	14,22 / .560	15,54 / .612	1,02 / .040	0,05 / .002	1.2±.18	34±5	HIGH	OFF	VX30HP		
.795	A	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	(G)		
.795	F	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	(G)		
.795	F	17,02 / .670	14,86 / .585	16,18 / .637	0,91 / .036	0,05 / .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F8		
.810	C	22,48 / .885	19,99 / .787	21,62 / .851	1,02 / .040	0,05 / .002	.19±.09	5.4±2.6	HIGH	OFF	VX10−C1L		

THIRD ANGLE PROJECTION
SCALE NONE
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) ±.030
TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±

MICRO SWITCH a Honeywell Division
FED. MFG. CODE 91929
SWITCH − SOLID STATE
CATALOG LISTING VX SERIES
CHART 1
WEIGHT

MASTER REDUCED
ANSI Y14.5M−1982 APPLIES

UNLESS OTHERWISE NOTED MECHANICAL CHARACTERISTICS ARE GIVEN ON LEVER OVER PLUNGER

"D" LEVER ACTUATION POINT	LEVER TYPE	"E" FREE POSITION (MAX)	"F" OPERATION POINT (MIN)	"G" RELEASE POINT (MAX)	OVER-TRAVEL (MIN)	DIFF TRAVEL (MIN)	FORCE AT OPERATE POINT		UNACTUATED OUTPUT VOLTAGE	OUTPUT TRANSISTOR /6\	CATALOG LISTING		IBM DRAWING NO.	COMMENTS
							OUNCES	GRAMS			STYLE 1 /8\	STYLE 2 /9\		
.795	F /10\	17,02 .670	14,86 .585	16,18 .637	0,91 .036	0,05 .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	VX10−F1		4592340	
.795	F /10\	17,02 .670	14,86 .585	16,18 .637	0,91 .036	0,05 .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓕ		4593242	
.795	F /10\	17,02 .670	14,86 .585	16,18 .637	0,91 .036	0,05 .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓕ		4593470	
.795	F /10\	17,02 .670	14,86 .585	16,18 .637	0,91 .036	0,05 .002	.35 +.18 −.14	10 +5 −4	HIGH	OFF	Ⓕ		4592552	

IBM CORPORATION SWITCHES ONLY THIS PAGE

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ONE PLACE (.0) ±.030
TWO PLACES (.00) ±.015
THREE PLACES (.000) ±.005
ANGLES ±
WEIGHT

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VX SERIES
CHART 1