

I4 CE SERIES
CHART MTG-CE-86

ISSUE 4
DRAWING NUMBER

RELEASE NUMBER MS 11463

REVISIONS

210.2.92
MS-11680
323.8.95
CN-16516
421.12.95
CN-16536

CHECK

TRACED

DRAWN ML 23.4.90

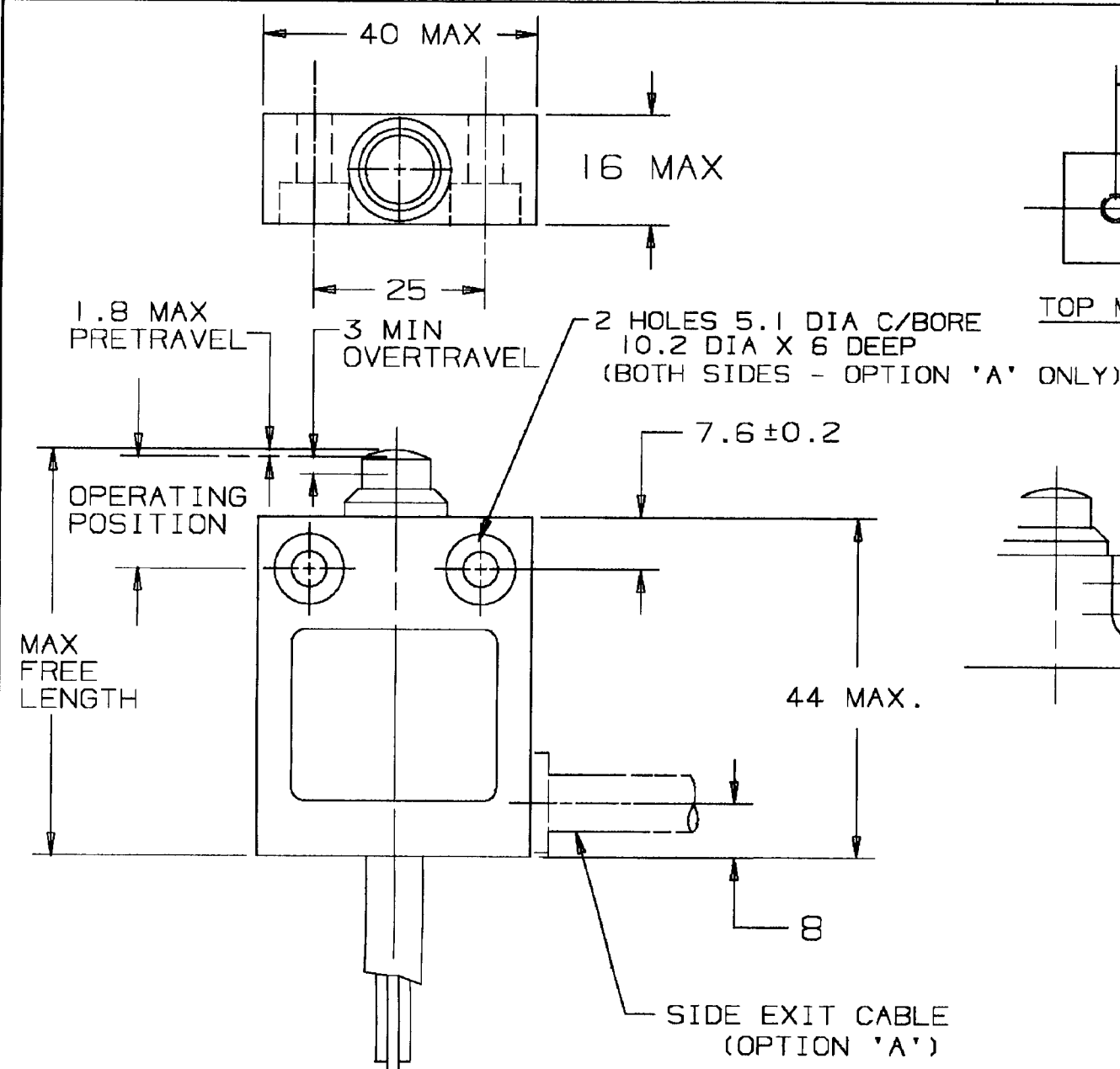
Honeywell

SMALL PRECISION
LIMIT SWITCH

CATALOGUE LISTING

I4CE SERIES

CHART MTG-CE-86



TOP MOUNTING-(OPTION 'P')

10 DIA. STAINLESS
STEEL PLUNGER

12.4 X 4.7 WIDE
SINTERED IRON ROLLER

M4 CORROSION
RESISTANT HEX
SCREW AND
LOCKNUT

24.6
DIA.
NYLON
BUTTON

TYPE 1
PIN PLUNGER

TYPE 2
ROLLER PLUNGER

TYPE 3

TYPE 18
PIN PLUNGER
(WITH BOOT SEAL)

TYPE 19
ADJUSTABLE PLUNGER

TYPE 22
MANUALLY OPERATED

SHAKEPROOF
WASHER (2)
M10 X 1 THREAD

12.4 X 4.7 WIDE
SINTERED IRON ROLLER

M14 X 1
THREAD

12.4 DIA. X 4.7 WIDE
SINTERED IRON ROLLER

7.9 DIA.
BALL BEARING

TYPE 27
PIN PLUNGER
(PANEL MOUNTED)

TYPE 28
ROLLER PLUNGER
(PANEL MOUNTED)

TYPE 29

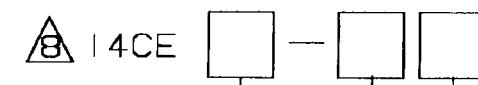
TYPE 31
ROLLER PLUNGER
(WITH BOOT SEAL)

TYPE 55

TYPE 66
BALL BEARING PLUNGER

CATALOGUE LISTING CONVENTION

OPTIONS CAN BE COMBINED WITHIN LOGICAL LIMITS (EG 14CE2-1AK)



ACTUATOR TYPE CABLE LENGTH OPTIONS

1, 2, 3, 18, 19, 22, 27
28, 29, 31, 55 OR 66

LENGTH IN METRES

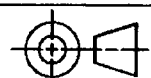
A - SIDE ENTRY
B - ELONGATED MOUNTING HOLES
C - DOUBLE BREAK BASIC
D - HALOGEN FREE CABLE
E - BIFURCATED GOLD CONTACTS
F - GOLD CONTACTS
G - HIGH TEMPERATURE (150°C)
H - LOW TEMPERATURE (-40°C)
I - LOW TEMPERATURE (-40°C) CABLE NOT
SUITABLE FOR FLEXING
J - LOW TEMPERATURE (-40°C)
K - "O" RING SEALED PLUNGER (NITRILE)
L - LOW TEMPERATURE (-40°C)
M - LOW TEMPERATURE (-40°C)
N - LOW TEMPERATURE (-40°C)
O - LOW TEMPERATURE (-40°C)
P - TOP MOUNTING
Q - VITON "O" RING SEALED
PLUNGER

NOTES:-

- 1 : DIE CAST HOUSING FINISHED IN GREY PAINT
- 2 : SWITCH MOUNTS THROUGH A 14.5 DIA HOLE
- 3 : MAXIMUM PANEL THICKNESS = 4,2
- 4 : SWITCH MOUNTS THROUGH 10.5 DIA HOLE
- 5 : TEMPERATURE RANGE : 0°C TO +70°C (STANDARD)
- 6 : ROLLER PARALLEL WITHIN 3° TO MOUNTING FACE
- 7 : ROLLER PERPENDICULAR WITHIN 3° TO MOUNTING FACE
- 8 : ALL LOGICAL LISTINGS ARE IEC 947-5-1 APPROVED EXCEPT:
OPTIONS C, F, G.
- 9 : LISTINGS CAN BE SUFFIXED WITH R.S (e.g 14CE1-1KRS)

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THIRD
ANGLE
PROJECTION



PLOT SCALE 1/1

SWITCH TYPE	ISSUE	RELEASE NUMBER	OPTIONS	DIFF. TRAVEL (MAX.)	OPERATING FORCE (MAX)		RELEASE FORCE (MIN)		OPERATING POSITION	MAX FREE LENGTH
					NEWTONS	GMF	NEWTONS	GMF		
14CE1			A, D, G, P, H, L, V K, V	0.1 0.1	11.8 22.5	1200 2300	4.4	450	15.7 ± 1.0	54
14CE2			A, G, P	0.1	11.8	1200	4.4	450	28.5 ± 1.0	67
14CE3			K, V	0.1	22.5	2300				
14CE18			A, D, G, H, L, P	0.1	22.5	2300	4.4	450	24.9 ± 1.0	63
14CE19			A, D, G, H, L, P	0.1	11.8	1800	4.4	450	ADJUSTABLE 32 TO 39	77.4
14CE22			A, D, G, H, L, P	0.1	9	920	3	300	27.4 MAX	64.1
14CE27			A, D, G, H, L, P	0.1	11.8	1200	4.4	450	29.3 ± 1.0	67.2
14CE28			A, D, G, H, L, P	0.1	11.8	1200	4.4	450	42.5 ± 1.0	81
14CE29		MS 11680 MS 11463								
14CE31			A, D, G, H, L, P	0.1	17.5	1800	4.4	450	34.4 ± 1.0	73
14CE55										
14CE66			A, D, G, H, L, P	0.1	11.8	1200	4.4	450	24.4 ± 1.0	63

BASIC SWITCH	ELECTRICAL RATINGS		CIRCUIT DIAGRAM	CABLE
STANDARD SILVER CONTACTS	5A - 250VAC (STANDARD)	IEC 947-5-1 EN60947-5-1 AC14 D300 DC13 R300	S.P.D.T. BROWN 2 ———○ 3 ———○ BLACK BLUE 1 ———○ GREEN/ YELLOW ⊥	4 X 0.75 MM HARMONISED CENELEC CABLE.
GOLD CONTACTS - OPTION 'G'	1A 125VAC 30VDC			