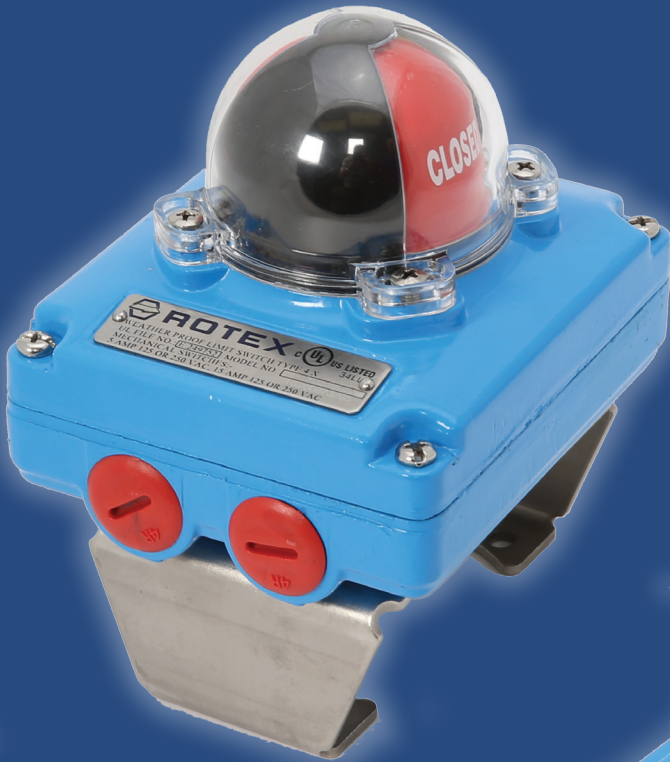


The logo for Chicago Valves & Controls features the word "Chicago" in a large, white, stylized serif font with a red dot over the 'i'. The word "Valves" is in a bold, white, sans-serif font. A thick white horizontal line runs beneath "Chicago Valves". Below this line, the words "& Controls" are written in a bold, white, sans-serif font. The entire logo is set against a dark blue background.

DNLF1-Explosion Proof SPDT Mechanical Switch



NEMA 4,
4X, 7 & 9



IP67, EC94/9
ATEX

FEATURES

- Explosion proof to I, IIA, IIB, and IIC
- Enclosure Certified by UL to UL 1203 and UL 508, File No. E246615
- Switch Box conforms to Ex D IIC, T6 highest level of safety
- ATEX Certified by CESI, Italy, Certification No. CESI 05 ATEX017
- Aluminum die cast enclosure, powder coated for superior corrosion resistance
- Weather proof enclosure to IP67
- Polycarbonate Dome, Shatterproof
- Red and Yellow Indicator
- Color coded cams easy to identify, and easy to set
- Serrated cams locked together ensures adjusted settings secured against any vibration
- Special circuit board eliminates internal wiring
- Circuit board laminated for complete corrosion protection
- Solenoid termination inside the switch box is standard
- Two conduit entries provided as standard
- Conduit entry options: ½" NPT, ¾" NPT, M20X1.5
- Complies to Namur mounting standard
- Temperature range 4°F to 146°F
- Bracket available as option



ORDERING OPTIONS

Series	Switch	Qty. Switches	Conduit Entry	Body/Cover	Bracket	Certificates
DNLF		1 2	4R ½" NPT 6R ¾" NPT 3M M20X1.5	B Aluminum-Black Y Aluminum-Yellow L Aluminum-Blue B5 CF8M Stainless Steel		U CU _L , UL _L C CE A ATEX CM CMRI CC CMRI CCDE

CODE	MAKE	MODEL	RATING
1A	Honeywell	V5C010EN3D	10Amp 120 or 250 VAC, 220 VDC 50Hz/60Hz, NO/NC
11A	Honeywell	V7 1C17E9 201	15Amp 120 or 250 VAC, 220 VDC 50Hz/60Hz, NO/NC
1B	Cherry	D43 CQ1 RA	5Amp 125 or 250 VAC, 220 VDC NO/NC
11B	Cherry	D45 CQ1 RA	15Amp 125 or 250 VAC, 220 VDC NO/NC

Refer to Bracket Selection Page

ORDERING EXAMPLE

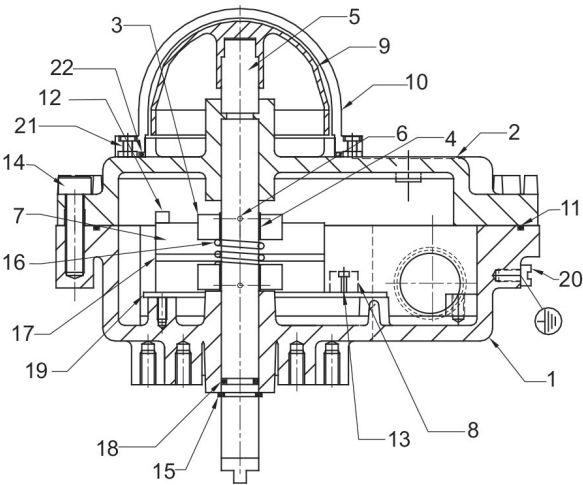
- DNLF-1A2-6R-B-BKS1-U
- Explosion proof to I, II A and II B and Weather proof box provided with Honeywell 15 Amps switches 2 nos, each with one NO and one NC, ¾" NPT cable gland entry. With Stainless Steel bracket, 80X30 tapping, 20mm pinion height, UL approved.

DNLF1-Explosion Proof SPDT Mechanical Switch

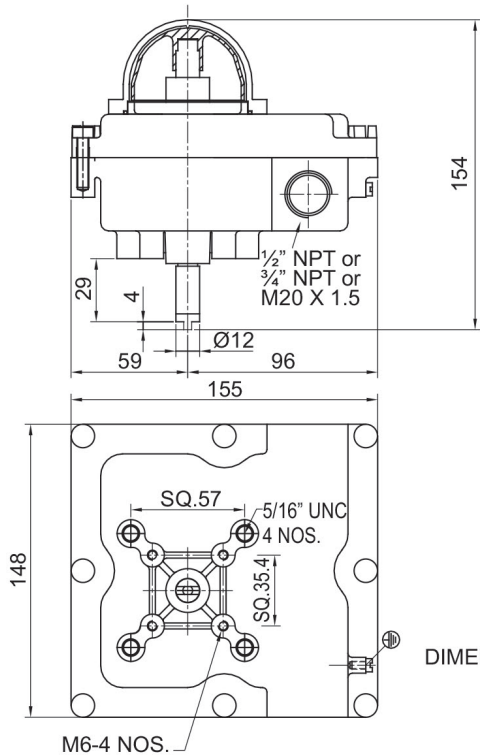
MATERIAL OF CONSTRUCTION

22	'O'RING	1	NBR
21	PHILIPS HEAD SCREW	4	STAINLESS STEEL
20	SCREW FOR EARTHING	2	STAINLESS STEEL
19	CIRCUIT BOARD	1	-
18	'O'RING	2	NBR
17	PAD	1	POLYAMIDE
16	SPRING	1	STAINLESS STEEL
15	'E' TYPE CIRCLIP	1	SPRING STEEL
14	SCREW FOR COVER	8	STAINLESS STEEL
13	SCREW FOR CONN. STRIP	2	STAINLESS STEEL
12	SCREW FOR MICROSWITCH	2	STAINLESS STEEL
11	GASKET	1	NBR
10	INDICATOR COVER	1	POLYCARBONATE
9	INDICATOR	1	ABS PLASTIC
8	CONNECTOR STRIP-6WAY	1	POLYIMIDE
7	MICROSWITCH (SPDT)	2	HONEYWELL/CHERRY
6	SPRING DOWEL	2	SPRING STEEL
5	SHAFT	1	STAINLESS STEEL
4	CAM-LOCK	2	POM
3	CAM	2	POLYCAMIDE
2	COVER	1	ALUMINUM ALLOY LM-6
1	HOUSING	1	ALUMINUM ALLOY LM-6
S.NO.	DESCRIPTION	QTY.	MATERIAL

CROSS SECTION

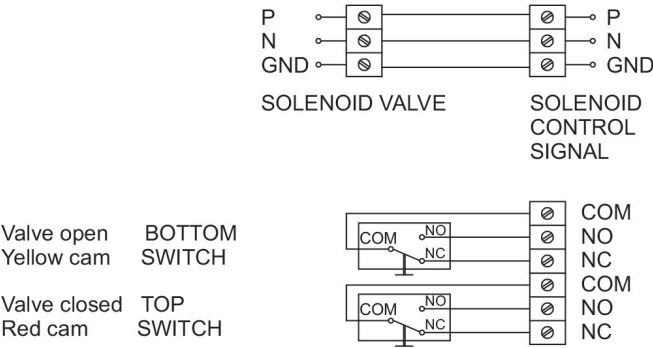


DIMENSION DETAILS



DIMENSION 'X' OPTIONS : 1/2" NPT
3/4" NPT
M20X1.5

WIRING DIAGRAM



DNLF5-Explosion Proof DPDT Mechanical Switch



FEATURES

- Explosion proof to I, IIA, IIB, and IIC
- Enclosure certified to UL 1203 & UL508, File No. 246615
- Switch Box conforms to Ex D IIC, T6 highest level of safety
- ATEX certified by CESI, Italy, Cert No. CESI 05 ATEX017
- Aluminum die cast enclosure, powder coated for superior corrosion resistance
- Weather proof enclosure to IP67
- Polycarbonate Dome, Shatterproof
- Red and Yellow Indicator
- Color coded cams easy to identify, easy to set
- Special circuit board eliminates internal wiring
- Circuit board laminated for complete corrosion protection
- Solenoid termination inside the switch box not available
- Serrated cams locked together ensures adjusted settings secured against any vibration
- Two conduit entries provided as standard
- Conduit entry options 1/2" NPT, 3/4" NPT, M20X1.5
- Temperature 4°F to 146°F
- Bracket available as option



ORDERING OPTIONS

Series	Switch	Qty. Switches	Conduit Entry	Body/Cover	Bracket	Certificates
DNLF		1	4R 1/2" NPT	B Aluminum-Black		U CU _L , UL _L
		2	6R 3/4" NPT	Y Aluminum-Yellow		C CE
			3M M20X1.5	L Aluminum-Blue		A ATEX
				B5 CF8M Stainless Steel		CM CMRI
						CC CMRI CCDE

CODE	MAKE	MODEL	RATING
5A	Honeywell	V5C010EN3D	10Amp 120 or 250 VAC, 220 VDC 50Hz/60Hz, NO/NC
15A	Honeywell	V7 1C17E9 201	15Amp 120 or 250 VAC, 220 VDC 50Hz/60Hz, NO/NC
1B	Cherry	D43 CQ1 RA	5Amp 125 or 250 VAC, 220 VDC NO/NC
11B	Cherry	D45 CQ1 RA	15Amp 125 or 250 VAC, 220 VDC NO/NC

Refer to Bracket Selection Page

ORDERING EXAMPLE

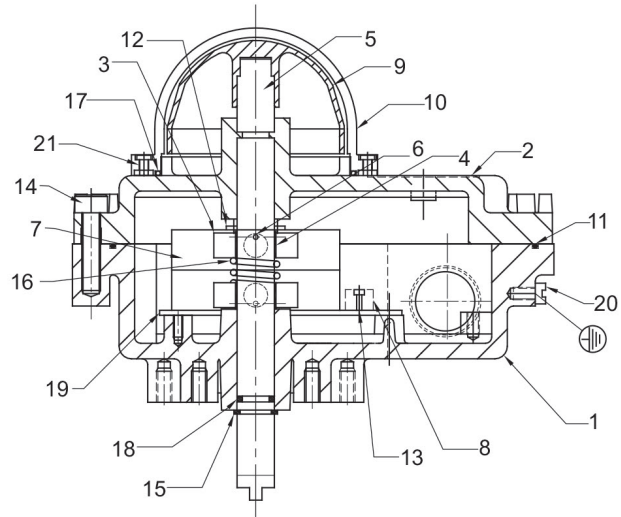
- DNLF-5A2-6R-B-BKS1-A
- Explosion proof to I, II A and II B and Weather proof box provided with Honeywell 10 Amp switches 2 nos, each with two NO and two NC, 3/4" NPT cable gland entry. With Stainless Steel bracket suitable for 80X30 tapping and for 20mm pinion height. With ATEX Certification.

DNLF5-Explosion Proof DPDT Mechanical Switch

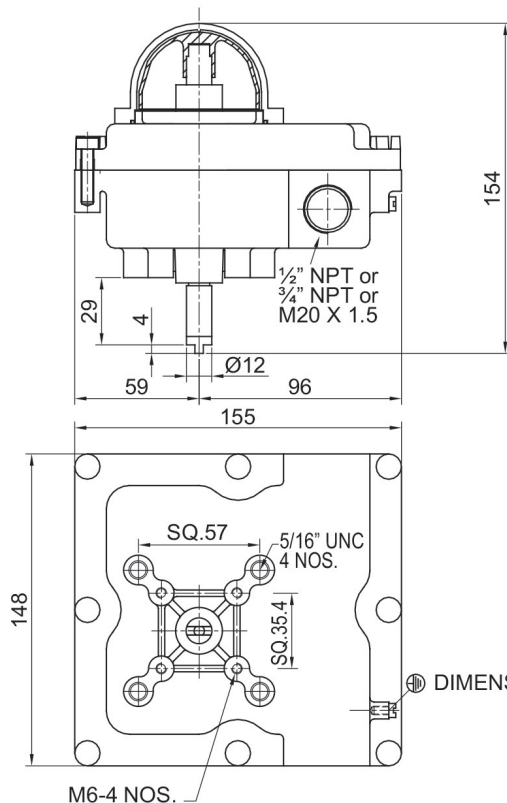
MATERIAL OF CONSTRUCTION

21	PHILIPS HEAD SCREW	4	STAINLESS STEEL
20	SCREW FOR EARTHING	2	STAINLESS STEEL
19	CIRCUIT BOARD	1	-
18	'O'RING	2	NBR
17	'O'RING	1	NBR
16	SPRING	1	STAINLESS STEEL
15	'E' TYPE CIRCLIP	1	SPRING STEEL
14	SCREW FOR COVER	8	STAINLESS STEEL
13	SCREW FOR CONN. STRIP	2	STAINLESS STEEL
12	SCREW FOR BRACKET	2	STAINLESS STEEL
11	GASKET	1	NBR
10	INDICATOR COVER	1	POLYCARBONATE
9	INDICATOR	1	ABS PLASTIC
8	CONNECTOR STRIP 6 WAY	1	POLYIMIDE
7	MICROSWITCH (DPDT)	2	HONEYWELL/CHERRY
6	SPRING DOWEL	2	SPRING STEEL
5	SHAFT	1	STAINLESS STEEL
4	CAM-LOCK	2	POM
3	CAM	2	POLYIMIDE
2	COVER	1	ALUMINUM ALLOY LM-6
1	HOUSING	1	ALUMINUM ALLOY LM-6
S.NO.	DESCRIPTION	QTY.	MATERIAL

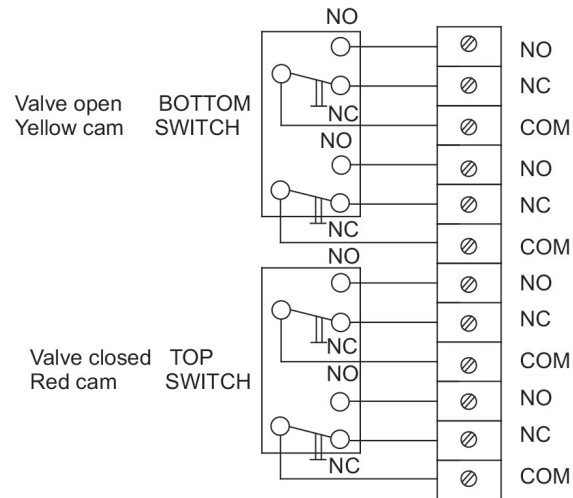
CROSS SECTION



DIMENSION DETAILS



WIRING DIAGRAM



DXLW1-Weather Proof SPDT Mechanical Switch



NEMA 4, 4X



IP67

FEATURES

- Aluminum die cast enclosure, powder coated for superior corrosion resistance
- Weather proof enclosure to IP67
- Enclosure Certified by UL to UL508, File No. E249752
- Poly carbonate Dome, Shatterproof
- Red and Yellow Indicator
- Color coded cams easy to identify, and easy to set
- Serrated cams locked together ensures adjusted settings secured against any vibration
- Special circuit board eliminates internal wiring
- Circuit board laminated for complete corrosion protection
- Solenoid termination inside the switch box is standard
- Three conduit entries provided as standard
- Conduit entry options : ½" NPT, M20X1.5
- Complies to Namur mounting standard
- Temperature range 4°F to 146°F
- Bracket available as option



ORDERING OPTIONS

Series	Switch	Qty. Switches		Conduit Entry		Body/Cover		Bracket	Certificates	
DXLW		1	4R	½" NPT	B	Aluminum-Black			U	CU _L , UL _L
		2	3M	M20X1.5	Y	Aluminum-Yellow			C	CE
					L	Aluminum-Blue				
					B5	CF8M Stainless Steel				

CODE	MAKE	MODEL	RATING
1A	Honeywell	V5C010EN3D	10Amp 120 or 250 VAC, 220 VDC 50Hz/60Hz, NO/NC
11A	Honeywell	V7 1C17E9 201	15Amp 120 or 250 VAC, 220 VDC 50Hz/60Hz, NO/NC

Refer to Bracket Selection Page

ORDERING EXAMPLE

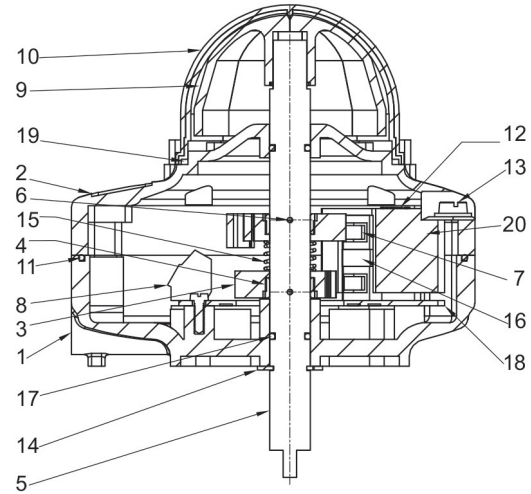
- DXLW-1A2-4R-B-BKS1-U
- Weather proof switch box provided with (2) Honeywell 10 Amp switches, ½" NPT conduit entry, black enclosure. With stainless steel bracket suitable for 80X30 tapping and for 20mm pinion, UL approved.

DXLW1-Weather Proof SPDT Mechanical Switch

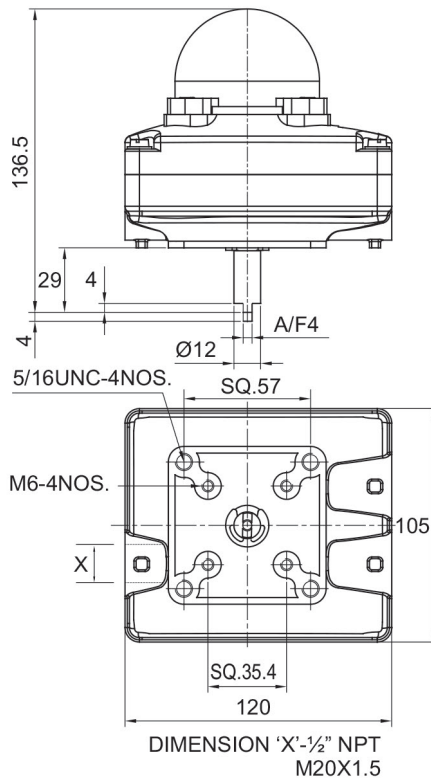
MATERIAL OF CONSTRUCTION

20	COVER FOR MICROSWITCH	1	POLYAMIDE
19	'O'RING	1	NBR
18	CIRCUIT BOARD	1	-
17	'O'RING	1	NBR
16	PAD	1	POLYAMIDE
15	SPRING	1	STAINLESS STEEL
14	'E' TYPE CIRCLIP	1	SPRING STEEL
13	NON FALLING SCREW	4	STAINLESS STEEL
12	SCREW FOR MICROSWITCH	2	STAINLESS STEEL
11	GASKET	1	NBR
10	INDICATOR COVER	1	POLYCARBONATE
9	INDICATOR	1	ABS PLASTIC
8	THREE WAY TERMINAL BLOCK	4	-
7	MICROSWITCH (SPDT)	2	HONEYWELL/CHERRY
6	SPRING DOWEL	2	SPRING STEEL
5	SHAFT	1	STAINLESS STEEL
4	CAM-LOCK	2	DELTRIN
3	CAM	2	POLYCARBONATE
2	COVER	1	ALUMINUM ALLOY LM-6
1	HOUSING	1	ALUMINUM ALLOY LM-6
S.NO.	DESCRIPTION	QTY.	MATERIAL

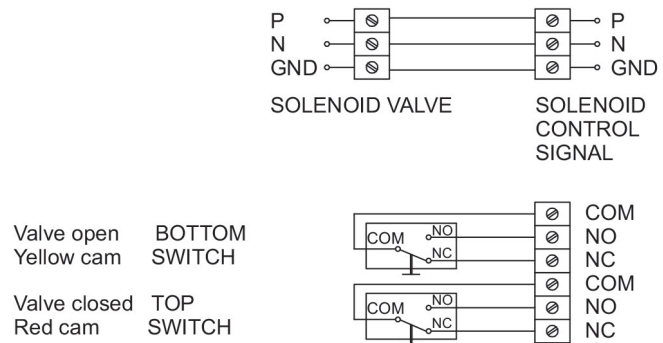
CROSS SECTION



DIMENSION DETAILS



WIRING DIAGRAM



VERSATILE LIMITSWITCH



PROFIBUS[®]
DEVICENET[®]
CANOPEN[®]
ASi[®]



ROTEX
CONTROLS, INC.

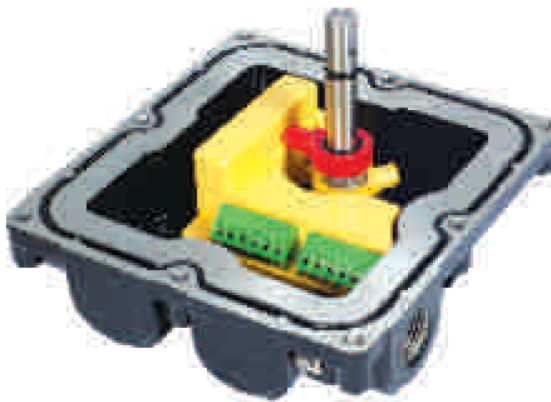
DNLF6-Explosion Proof Hermetically Sealed Prox Switch

ROTEX Cobra Switch



FEATURES

- Explosion proof to I, IIA, IIB, and IIC
- Enclosure certified to UL 1203 & UL508, File No. 246615
- Switch Box conforms to Ex D IIC, T6 highest level of safety
- ATEX certified by CESI, Italy, Cert No. CESI 05 ATEX017
- Aluminum die cast enclosure, powder coated for superior corrosion resistance
- Weather proof enclosure to IP67
- Polycarbonate Dome, Shatterproof
- Red and Yellow Indicator
- Color coded cams easy to identify, easy to set
- Special circuit board eliminates internal wiring
- Circuit board laminated for complete corrosion protection
- Solenoid termination inside the switch box is standard
- Serrated cams locked together ensures adjusted settings secured against any vibration
- Two conduit entries provided as standard
- Conduit entry options ½" NPT, ¾" NPT, M20X1.5
- Temperature 4°F to 146°F
- Bracket available as option



ORDERING OPTIONS

Series	Switch	Qty. Switches	Conduit Entry	Body/Cover	Bracket	Certificates
DNLF		1	4R ½" NPT	B Aluminum-Black		U CU _L , UL _L
		2	6R ¾" NPT	Y Aluminum-Yellow		C CE
			3M M20X1.5	L Aluminum-Blue		A ATEX
				B5 CF8M Stainless Steel		

CODE	MAKE	MODEL	RATING
6A	Hermetic Switch Inc.	COBRA	2Amps, 220V AC/DC, 50Hz/60Hz, NO/NC
16A	Hermetic Switch Inc.	COBRA GOLD	0-48 VDC, up to 100mA 0-220 VAC, 20 mA

Refer to Bracket Selection Page

ORDERING EXAMPLE

- DNLF-6A2-6R-B-BKS1-A
- Explosion proof box with (2) hermetically sealed switches, ¾" conduit entries, black enclosure, with stainless steel bracket suitable for 80X30 tapping and for 20mm pinion height. With ATEX certificate

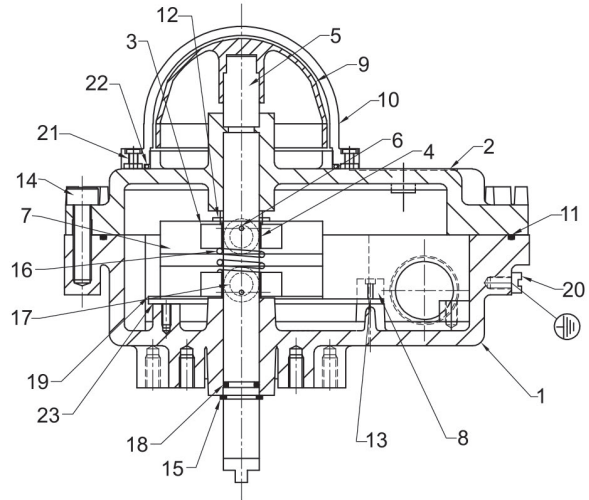
DNLF6-Explosion Proof Hermetically Sealed Prox Switch

ROTEX Cobra Switch

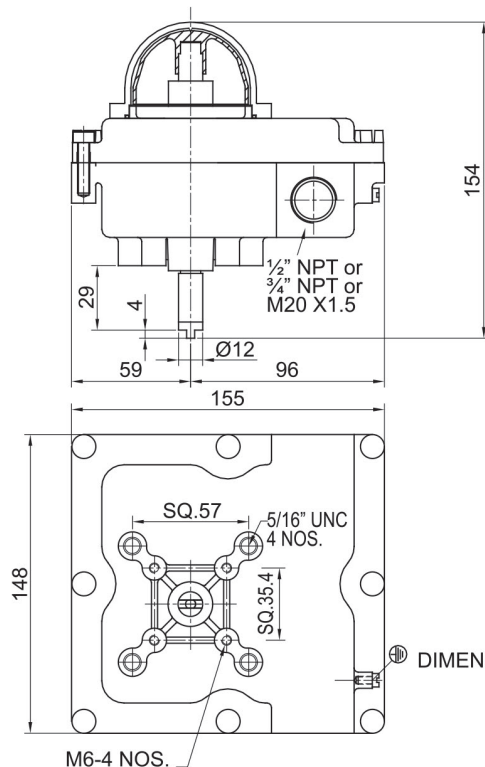
MATERIAL OF CONSTRUCTION

23	CIRCUIT BOARD	1	-
22	O'RING	1	NBR
21	PHILIPS HEAD SCREW	4	STAINLESS STEEL
20	SCREW FOR EARTHING	2	STAINLESS STEEL
19	MOUNTING PLATE	1	M.S.
18	O'RING	2	NBR
17	CAM INSERT	2	POLYAMIDE
16	SPRING	1	STAINLESS STEEL
15	'E' TYPE CIRCLIP	1	SPRING STEEL
14	NON FALLING SCREW	8	STAINLESS STEEL
13	SCREW FOR CONN. STRIP	2	STAINLESS STEEL
12	SCREW FOR REEDSWITCH	2	STAINLESS STEEL
11	GASKET	1	NBR
10	INDICATOR COVER	1	POLYCARBONATE
9	INDICATOR	1	ABS PLASTIC
8	CONNECTOR STRIP-6WAY	1	POLYIMIDE
7	REED SWITCH ASSEMBLY	2	-
6	SPRING DOWEL	2	SPRING STEEL
5	SHAFT	1	STAINLESS STEEL
4	CAM-LOCK	2	POM
3	CAM	2	POLYCAMIDE
2	COVER	1	ALUMINUM ALLOY LM-6
1	HOUSING	1	ALUMINUM ALLOY LM-6
S.NO.	DESCRIPTION	QTY.	MATERIAL

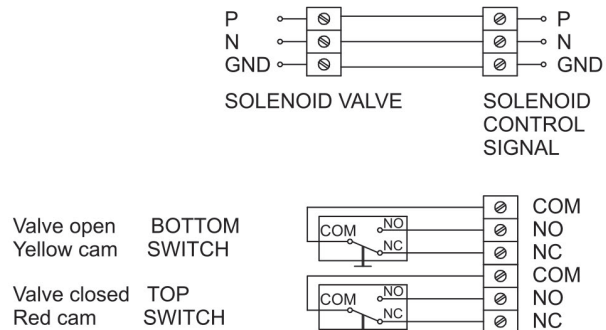
CROSS SECTION



DIMENSION DETAILS



WIRING DIAGRAM



DIMENSION 'X' OPTIONS : 1/2" NPT
3/4" NPT
M20X1.5