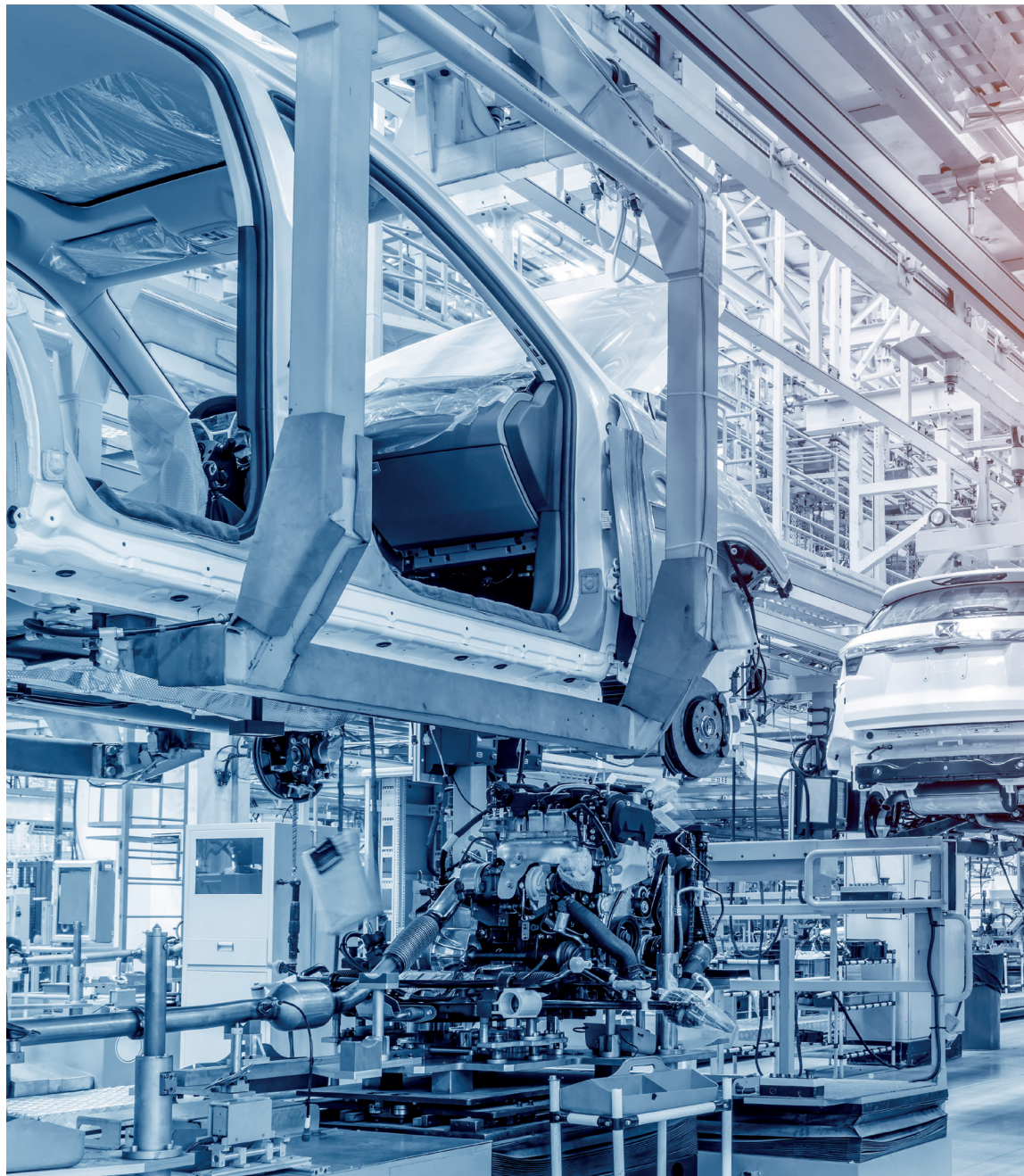


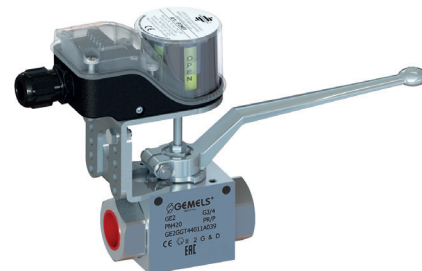
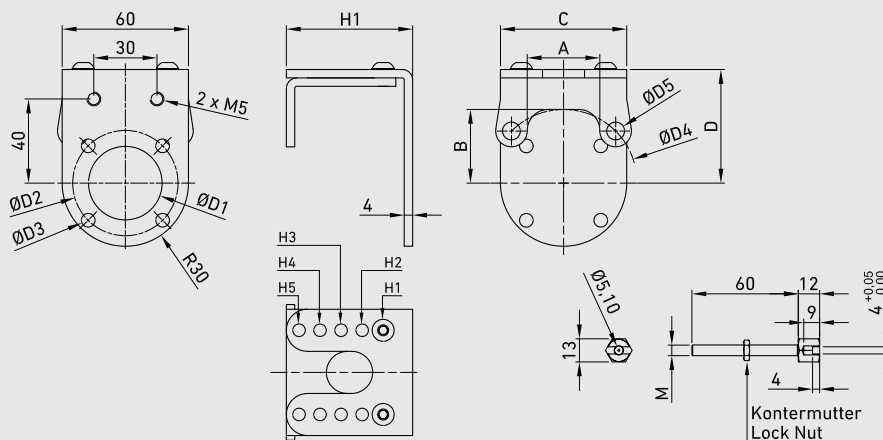


LIMIT SWITCH

Edition. 21.5

 **ACTUATED /
MANUAL
VALVES**





IP

CODE	BALL VALVES	DN
K07A0018421000H	GE-GPK-G3K/G4K	DN6 DN10 DN13
K07A0018121000H	GE-GPK-G3K/G4K	DN20
K07A0018121000H	GE-GPK	DN25
K07A0019521000H	GB-GPK	DN32 DN40 DN50

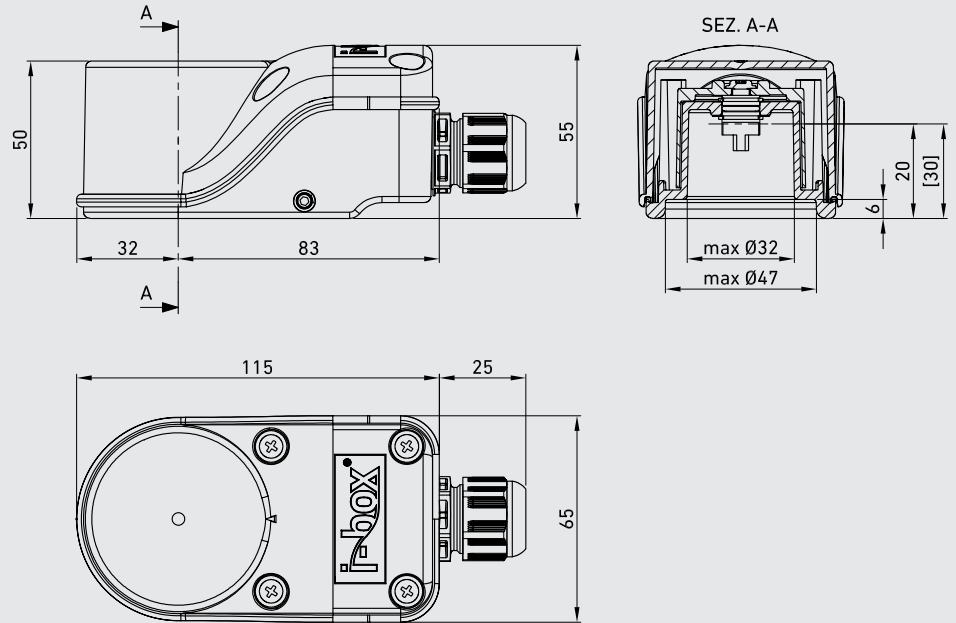
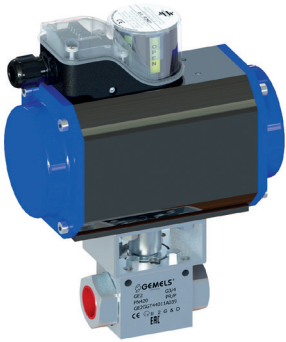
QUOTE		K07A0018421000H	K07A0018121000H
A	mm	16	24,36
	inch	0,63	0,96
B	mm	20	15
	inch	0,79	0,59
C	mm	60	60
	inch	2,36	2,36
D	mm	54	54
	inch	2,13	2,13
D1	mm	35,5	35,5
	inch	1,40	1,40
D2	mm	50	50
	inch	1,97	1,97
D3	mm	6,5	6,5
	inch	0,26	0,26
D4	mm	36	50
	inch	1,42	1,97
D5	mm	5,3	6,5
	inch	0,21	0,26
H1	mm	60	60
	inch	2,36	2,36
H2	mm	70	70
	inch	2,76	2,76
H3	mm	80	80
	inch	3,15	3,15
H4	mm	90	90
	inch	3,54	3,54
H5	mm	100	100
	inch	3,94	3,94

DESCRIPTION

- This mounting kit helps you to add a position feedback in form of a limit switch box to your manual valve. The mounting kit includes the following parts:
- Upper part with F05 flange and hole spacing 80x30mm e.g. for i-box assembly
- Bottom part matching the ISO top flange of the valve (F03-F05)
- Drive screw (M4-M6-M8), length: 60mm
- Lock nut for height fixation
- All parts stainless steel AISI 304 or AISI 303

LIMIT SWITCH

KITS

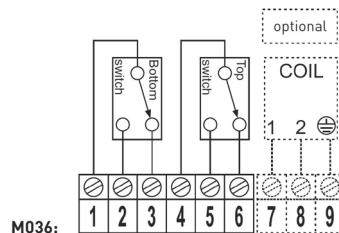


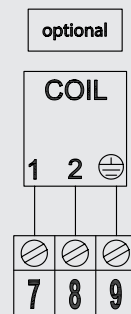
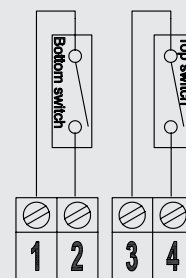
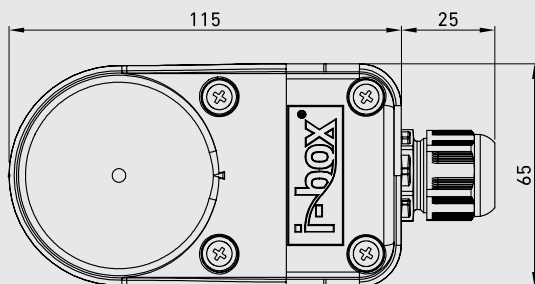
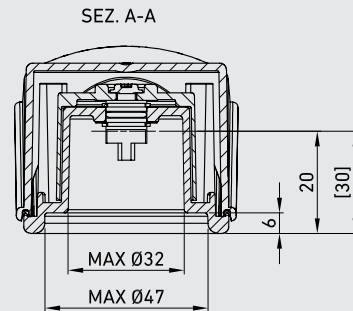
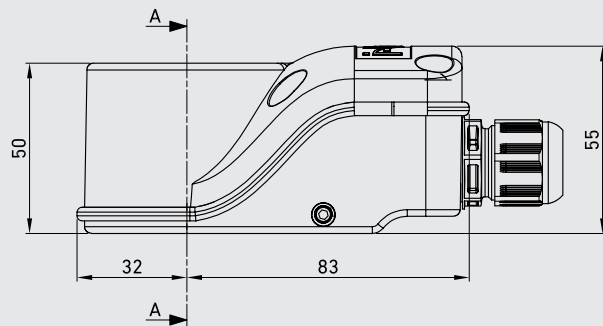
IP

CODE	DESCRIPTION	HOLES
FA1AAAAA010AA0H	Limit switch IP2M01	80x30

DESCRIPTION

- Very compact limit switch box polyamide PA6
- Transparent polycarbonate cover with integrated large OPEN-CLOSED indicator (Optional 2D indicator for L- or T-bores)
- Direct mounting without mounting bracket on actuators according to VDI/VDE 3845: Hole spacing: 80 x 30mm Shaft heights: 20
- Easy and time-saving fastening system
- Enclosure IP66 + IP67 according to DIN EN 60529
- (tested by external test laboratory)
- Cable gland M20x1,5 black (for cable Ø 6-12mm)
- Sealings TPE and NBR, Screws AISI 304, Stainless steel Shaft AISI 303
- Application: Standard applications without explosive atmosphere.
 - 1-2 mechanical switches
 - 1-2 proximity sensors in V3 design
- Atex available on request





IV ATEX EX IA

CODE	DESCRIPTION
FA1AAAAA011AA0H	Limit Switch EU IV2M01 (ATEX Ex ia)

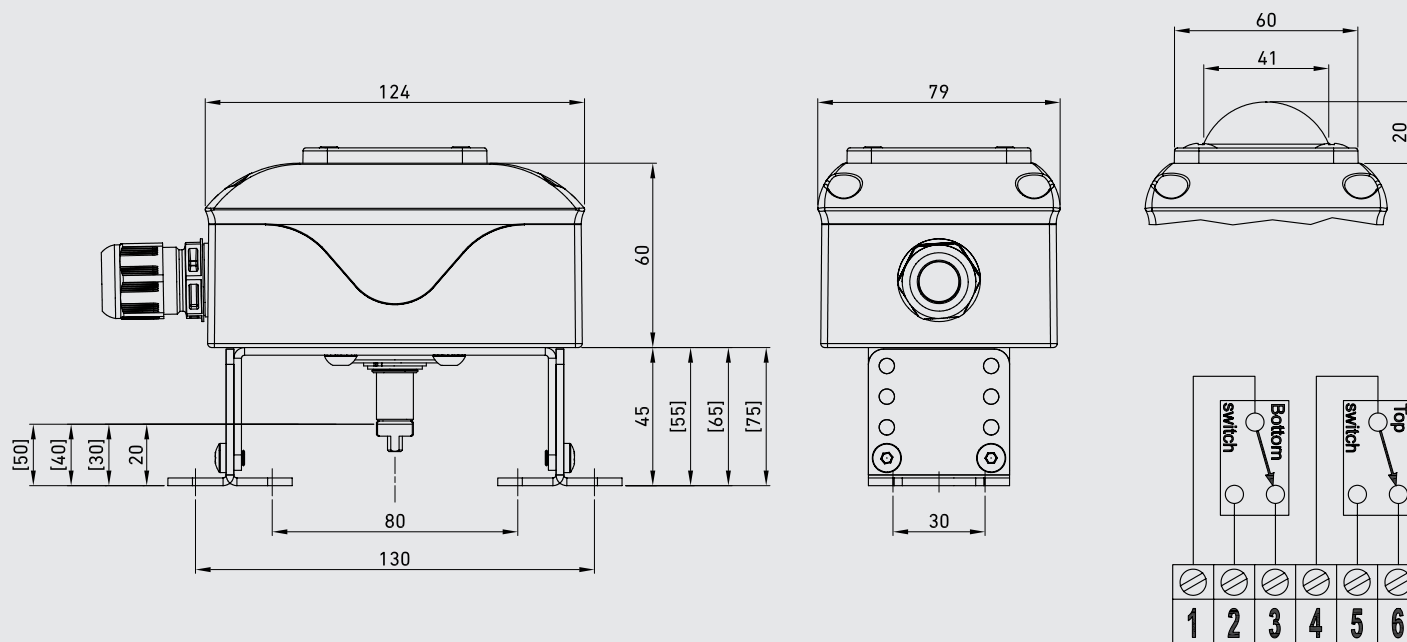
DESCRIPTION

• Housing type	IV-I.A
• Housing/bracket/shaft material	Vestamide + Polycarbonate Stainless steel AISI 303
• Sealing/screw material	TPE, NBR / Stainless steel AISI 304
• Visual indicator	OPEN -CLOSED
• Actuator hole spacings	80x30 mm Optional with IMBHV: 130x30 mm, 50x25 mm
• Actuator shaft heights	20, 30 mm Optional mit IMBHV: 40, 50 mm
• F05 interface	None
• Connections	1x M20x1,5 with cable gland, blue
• Ambient temperature	-25 °C ... +70 °C



• Switch type	CHERRYD, 41X ISPST. NOI
• Electrical supply data	U; 11 V DC / t: 15 m.t. / P; 35 mW C. L.: nogtlgibl
• Contacts	Gold
• SIL level	SIL 1 - 3 (IEC 61508:2010)
• ATEX/IECEX	Ex II 2G Ex ia IIB T6 Gb Ex II 2D Ex ia IIIC T80 °C Db
• EU-Type examination certificate	EPS 14 ATEX 1641 X IECEX EPS 14.0015X
• Ex zone	Zone 1, 2 / Zone 21, 22
• Ambient temperature	-25 °C ... +70 °C
• Max. number of switches	2





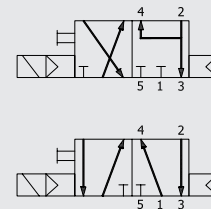
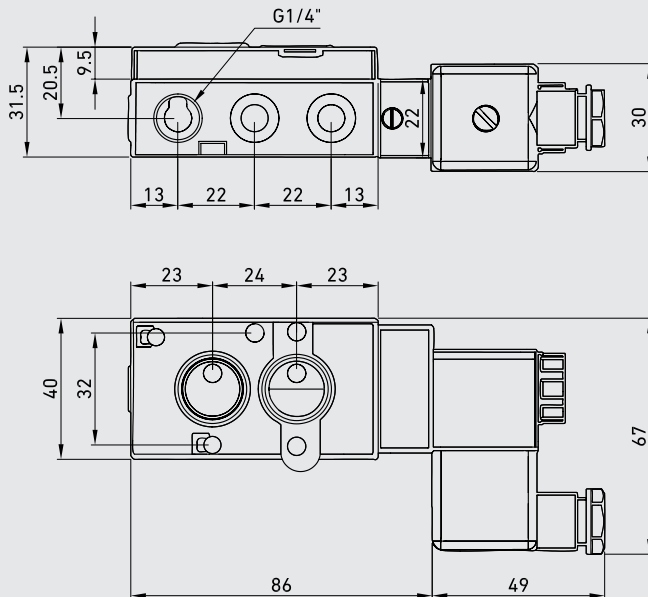
EAE ATEX EX D

CODE	DESCRIPTION
FA1AAAA014AA0H	Limit switch EAE2M01-551-ED-3D ATEX EX d

DESCRIPTION

• Housing type	EAE-ED
• Housing/bracket/shaft material	Aluminum / Stainless steel AISI 304 / Stainless steel AISI 303
• Sealing/screw material	EPDM, NBR / AISI 304 - EPDM NBR / Stainless steel AISI 304
• Visual indicator	2D (Optional: 3D, 3D1, OC, OS)
• Actuator hole spacings	80x30 mm / 130x30 mm (Optional: 50x25 mm)
• Actuator shaft heights	20, 30, 30, 40, 50 mm
• F05 interface	Standard
• Connections	1x M20x1,5 with cable gland, black Ex e
• Ambient temperature	-20 °C ... +60 °C
• Switch type	Bartec, 07-1511-1030 (SPDT, NO/NC)
• Voltage	24 - 250 V AC/DC
• Operating current	0,1 - 4A
• Contacts	Silver
• SIL level	SIL 1 - 3 (IEC 61508:2010)
• ATEX/IECEx	Ex II 2G Ex db eb IIIC/IB T6 Gb Ex II 2D Ex tb IIIC T80 °C Db
• EU-Type examination certificate	IBExU 12 ATEX 1022 X IECEx IBE 13.0041 X
• Ex zone	Zone 1, 2 / Zone 21, 22
• Ambient temperature	Aluminium -20 °C ... +60 °C
• Max. number of switches	3





SOLENOID VALVE EX IA

CODE	DESCRIPTION
VAAAAAA00511	Solenoid Valve EX ia, with combined 3/2 and 5/2 way function

DESCRIPTION

• Model	MNF532-IA
• Solenoid valve type	NAMUR, piston spool, air spring return, indirectly operated
• Function	3/2 e 5/2 way
• Air supply port	G 1/4"
• Nominai diameter / Air pressure / Flow rate	5,5 mm/ 2 - 8 bar / 950 l/min
• Valve body material	Anodised aluminum
• Piston/sealing/screw material	Stainless steel AISI 303 / NBR / Stainless steel AISI 304
• Manual override	Self-locking, brass
• NAMUR plate	NAMUR, PA6 - 30% fiber glass, exhaust air feedback circuit
• Medium	Cleaned, lubricated / non-lubricated compressed air
• Compressed air-quality	Level 5 according to ISO 8573-1
• Application	Spring return and double acting pneumatic actuators
• Plug connector	Forma A, M16x1,5 (cable diameter 4 - 6 mm/ 6 - 8 mm)
• Voltage	24 V DC (max. 28 V DC)
• Power consumption / Current consumption	1,6 W (min. 0,8 W) / 37 - 115 mA
• Coil insulation class	F (DIN VDE 0580)
• Safety Integrity Level	SIL 1 - 3 (IEC 61508:2010)
• ATEX/IECEX	Ex II 2G Ex ia 118/IIC T6, T4 Ga Ex II 2D Ex tb IIIC 180 °C Db I P65
• EU-Type examination certificate	PTB 09 ATEX 2001 / IECEx PTB 13.0009
• Ex Zone	Zone 1, 2 / Zone 21, 22
• Ambient temperature	-20 °C ... +50 °C



UNIVERSAL, XCKD METAL



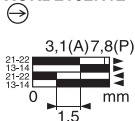
☒ **XCKD with 1 cable entry**
Conforming to CENELEC EN 50047

☐ **XCKD with head for linear movement (plunger)**
Mounting by the head or by the body

Environment characteristics

Conforming to standards	Products Machine assemblies	IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C22-2 n° 14 IEC 60204-1, EN 60204-1
Product certifications		UL, CSA, CCC
Protective treatment	Standard version	"TC"
Ambient air temperature	Operation	-25 ... +70 °C (-13 ... +158 °F)
	Storage	-40 ... +70 °C (-40 ... +158 °F)
Vibration resistance	Conforming to IEC 60068-2-6	25 gn (10 ... 500 Hz) except switch with head ZCE 24: 20 gn
Shock resistance	Conforming to IEC 60068-2-27	50 gn (11 ms) except heads ZCE08: 15 gn (11 ms) and ZCE24: 30 gn (18 ms)
Electric shock protection		Class I conforming to IEC 61140 and NF C 20-030 for XCKD
Degree of protection		IP 66 and IP 67 conforming to IEC 60529; IK 06 conforming to EN 50102 for XCKD
Repeat accuracy		0.1 mm on the tripping points, with 1 million operating cycles for head with end plunger
Cable entry or integral connector	Depending on model	Either: tapped entry for PG 11 or PG 13 conduit thread, tapped ISO M16 x 1.5 or ISO M20 x 1.5, tapped 1/2" NPT, tapped PF 1/2 (G1/2) or integral M12 connector
Materials		XCKD : Zamak® bodies and heads

■ UNIVERSAL, XCKD-COMPLETE UNITS WITH 1/2" NPT CABLE ENTRY

Type of head	Plunger (mounting by the body)		
	Form C (1)		
			
Type of operator	Steel roller plunger		
Catalog Numbers (2) (3)			
 2-pole N/C + N/O snap action (XE2S P2151)	XCKD2102N12 		
Characteristics			
Switch actuation	On end	By 30° cam	
Type of actuation			
Maximum actuation speed	0.5 m/s (1.64 ft/s)		
Minimum force or torque	Far tripping	15 N (3.37 lb)	12 N (2.70 lb)
	For positive opening	45 N (10.12 lb)	36 N (8.09 lb)
Cable entry (3)	1 entry tapped M16 x 1.5 mm for ISO cable entry, clamping capacity 4 to 8 mm (0.16 to 0.31 in.)		

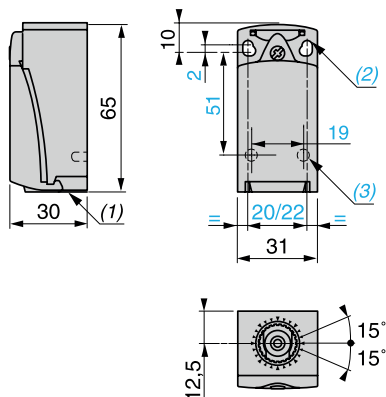
1. Form conforming to EN 50047, contact our customer service.

2. Switches with gold contacts or ring type connections: please consult your local sales office.

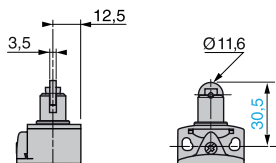
3. For any entry tapped for a PG 11 conduit thread, replace N12 in the catalog number G1. Examples: XCKD2110N12 becomes XCXD2110G11, ZCDEN12 becomes ZCDEG11.

UNIVERSAL, XCKD-COMPLETE UNITS WITH 1/2" NPT CABLE ENTRY

ZCD2• + ZCDEN12 / ZCD3• + ZCDEN12

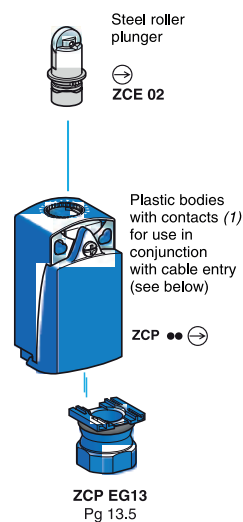


ZCE02



1. Tapped entry for ISO M16 x 1.5 or PG 11 conduit thread.
2. 2 elongated holes $\varnothing 4.3 \times 6.3$ mm (0.17 x 0.25 in.) on 22 mm (0.87 in.) centers, 2 holes $\varnothing 4.3$ mm (0.17 in.) on 20 mm (0.79 in.) centers.
3. 2 x $\varnothing 3$ holes for support studs, depth 4 mm (0.16 in.).
4. Mounting nut thickness 3.5 mm (0.14 in.).

UNIVERSAL, XCKD



1. For further details, contact our customer service.
2. Cannot be used on bodies: ZCD21, ZCP21, ZCT21, ZCD29, ZCP29, ZCD31, ZCP31, ZCD39, ZCP39, ZCD2•M12, ZCP2•M12

