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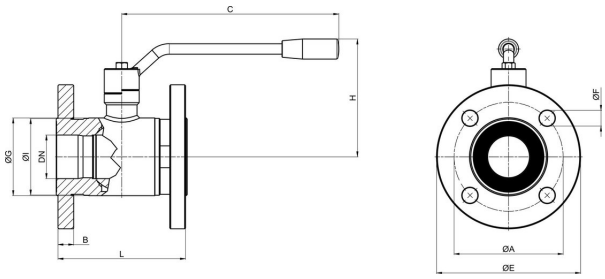
Stainless steel flanged ball valve
Series BA489-LLD-EB0X

Design type	Full port ball valve with floating ball, full bore passage
Actuation	by 90° rotation of the hand lever
Connection	rotatable flanges according to EN1092-1
Materials	Housing Stainless steel AISI316L polished, Ball Stainless steel AISI316L, Stainless steel hand lever 1.4307 plasticized, Ball seal MPTFE, Spindle seal PTFE, O-ring EPDM
Application range	Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used.
Medium temperature	-20...+150°C
Mounting type	Installation in rigid piping system
Mounting position	any
Special version	Hand lever with shut-off device
Approvals	Mill test certificate 3.1 ATEX II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135°C Db

Dimensions



Nominal size DN[mm]	Flange according to EN1092-1	max. Operating pressure [bar]	A	B	C	ØE	F	ØG	H	ØI	L	Kv value [m³/h]	Weight [approx. kg]	Type
40	PN40	40	110	16	240	148	4 x Ø18	73	130	75	140	170	6,45	BA489-40-LLD-A3C EB0X98
2992.V16-QM01 2992.V17-QM01 2993.V16-QM01														
50	PN40	40	125	18	240	165	4 x Ø18	89	135	89	150	280	8,9	BA489-50-LLD-A3C EB0X98
2994.V17-QM01														

Illustrations non-binding Design, dimensional and material changes reserved

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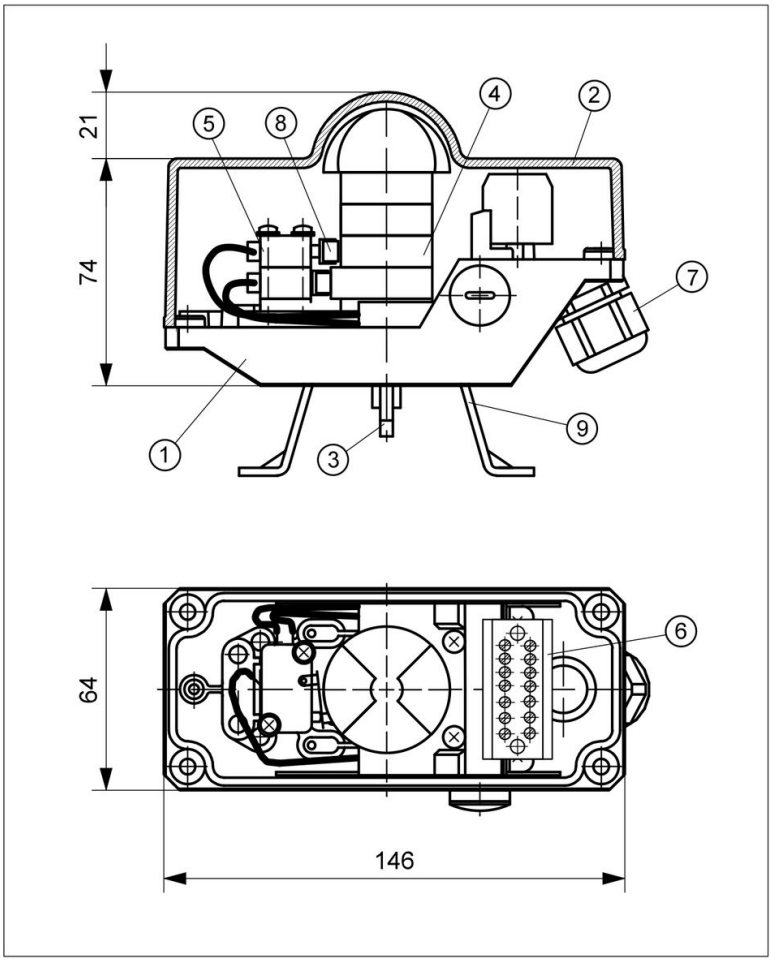
EBOX98

TCR-Module with two inductive proximity switches IFM type IS5001, in TCR-Housing 146 x 64 x 74 mm, with high vision beacon



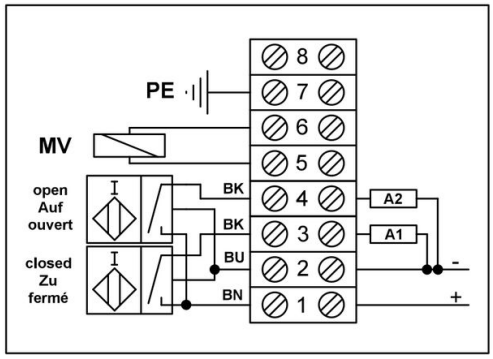
TECHNICAL DATA

Manufacturer:	IFM
Type:	IS5001 IS-3002-BPKG inductive, PNP normally open contact
Operating distance:	2 mm
Nominal voltage:	10 ...30 V DC
Operating current:	0 ... 200 mA
Switch. frequency:	0 ... 800 Hz
Signal:	LED, yellow
Temperature:	-25 ... +80°C
Housing base:	Vestamid, black
Housing cover:	Macrolon, clear with vision beacon
Sealing:	EPDM
Ingress protection:	IP67 (Sensor) IP65 (Housing)
Switch. precision:	< 1.5°
System connect.:	Cable gland M20x1,5 Clamp. range 8...13 mm

OBJECT LIST

Pos.	Pcs.	Description	Material
1	1	Housing base	Vestamid
2	1	Housing cover	Macrolon
3	1	TCR-Axis	POM
4	1	Switch cam system	POM
5	2	IFM IS5001	-
6	1	Terminal block, 7-pole	-
7	1	Cable gland M20x1,5	PA
8	2	Roller lever	-
9	1	Bracket size 1 - 4	A2

WIRING DIAGRAM



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