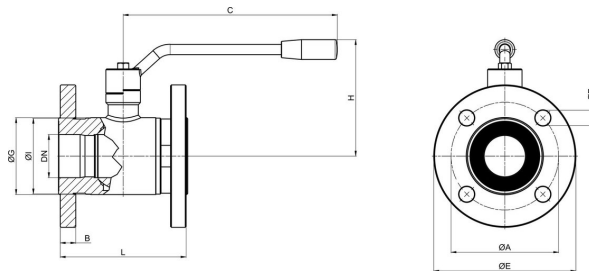


Stainless steel flanged ball valve Type BA489-LLD-0H-EB0X



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 oil- and grease-free version for hydrogen and oxygen
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 [m ³ /h]	Weight [approx. kg]	TAG	Type
15	PN40	40	65	12	125	90	4 x Ø14	35	74	34	115	20	1,8	2996.V90-QM107	BA489-15-LLD-A0H3C EB0X98
25	PN40	40	85	14	170	115	4 x Ø14	52	92	51	125	100	3,45	2996.V90-QM29	BA489-25-LLD-A0H3C EB0X98
40	PN40	40	110	16	240	148	4 x Ø18	73	130	75	140	170	6,45	2996.V15-QM01	BA489-40-LLD-A0H3C EB0X98
50	PN40	40	125	18	240	165	4 x Ø18	89	135	89	150	280	8,9	2111.V22-QM01 2111.V24-QM01	BA489-50-LLD-A0H3C EB0X98

Illustrations non-binding Design, dimensional and material changes reserved

Version 8

212218 / Generated 2026/41 EN

MADE IN EUROPE

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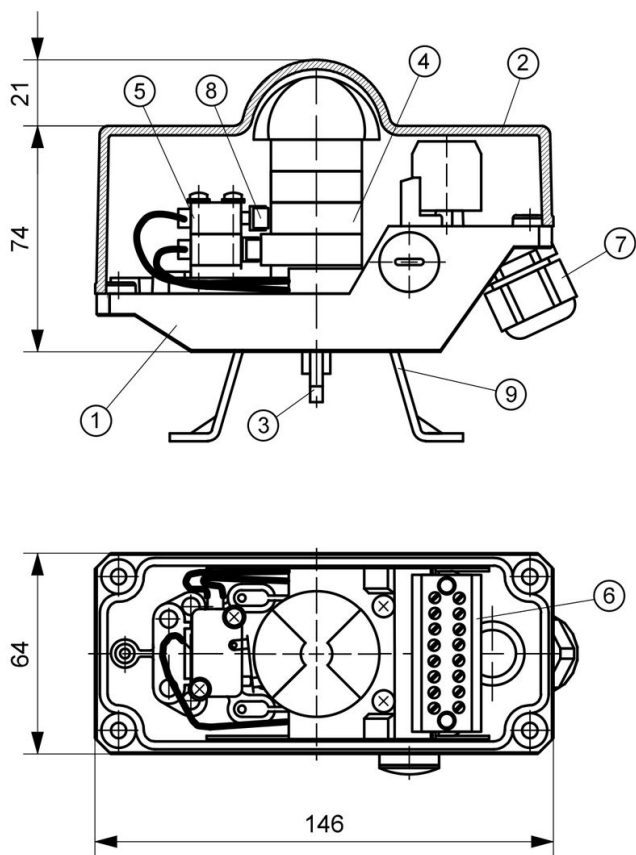
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TCR-Module with two inductive proximity switches IFM type IS5003,
in TCR-Housing 146 x 64 x 74 mm, with high vision beacon



TECHNICAL DATA

Manufacturer: IFM
Type: NS5003
IS-2002-N/1D/1G/2G
inductive, NAMUR
normally closed contact

Operating distance: 2 mm
Nominal voltage: 8,2 V DC
current consumption: > 2,1 mA, active
< 1 mA, inactive

Switch. frequency: 0 ... 800 Hz
Temperature: -20 ... +70°C *
Housing base: Vestamid, black
Housing cover: Vestamid, black
with vision beacon
(yellow/red)

Sealing: EPDM
Ingress protection: IP67 (Sensor)
IP65 (Housing)

Switch. precision: < 1.5°
System connect.: Cable gland M20x1,5
Clamp. range 8...13 mm

II 2G Ex ia IIC T6 Gb

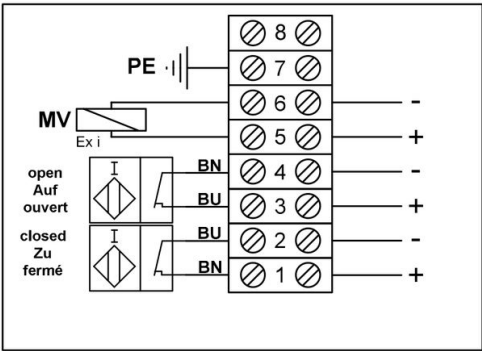
EC type-examination certificate No.
PTB 02 ATEX 2217

* The assignment between the max. permissible ambient temperature, the temperature class and the electrical supply data of the intrinsically safe circuit, must be taken from the EC-type examination certificate of the sensor.

OBJECT LIST

Pos.	Pcs.	Description	Material
1	1	Housing base	Vestamid
2	1	Housing cover	Vestamid
3	1	TCR-Axis	POM
4	1	Switch cam system	POM
5	2	IFM IS5003	-
6	1	Terminal block, 8-pole	-
7	1	Cable gland M20x1,5	PA
8	2	Roller lever	-
9	1	Bracket size 1 - 4	A2

WIRING DIAGRAM



Illustrations non-binding Design, dimensional and material changes reserved

Armatures / Ball valves - manually operated / Other materials - A02 / Flanged ball valve Series BA489 / [BA489-15-LLD-A0H3C-EB0X99] BA489-15-LLD-A0H3C-EB0X99

