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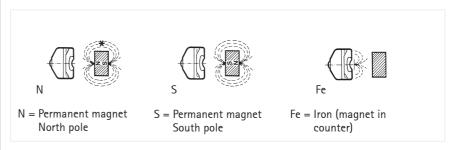
With Magnetic Actuator

Colibri 490



MAGNETIC ACTUATION

- Contactless counting
- Miniature size
- Simple installation
- Protection class IP 65
- Maintenance-free operation

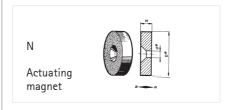


Actuation is effected by a magnetic field. With suitable magnets it is possible to achieve actuating distances of up to 50 mm. The direction of approach of the actuating magnet is not critical. When choosing a counter, it is important to observe the correct polarity of the actuator (see Figure).



DIMENSIONS OF ACTUATING MAGNETS

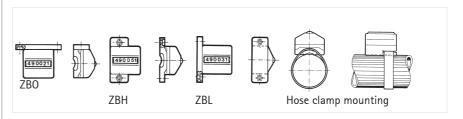
ATTACHMENT



We supply suitable magnets for actuating this counter. The magnet core consists of barium iron (hard ferrite 22/17 acc. to DIN 17 410). For attachment (centre hole) only screws made of nonmagnetic material may be used.

Ordering code	D	d	Н
3 532 023	15.2 mm	3.2 mm	6 mm
3 532 024	31.0 mm	5.3 mm	15 mm

"Colibri" is available for several means of attachment:



ZOB = Counter without attachment plate ZBO = Counter with attachment plate top

ZBL = Counter with attachment plate left ZBH = Counter with attachment plate behind

Doc No: TTCC094 Rev: 001	Impulse Automation Limited United Kinodom	Page
15-11-19	Company Registration 665193	1 of 2

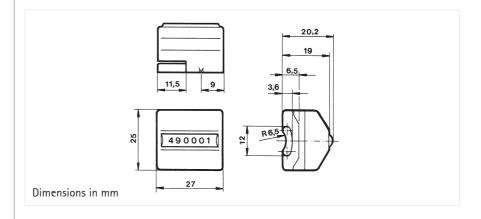
Colibri 490

Technical data

TECHNICAL DATA

Display	6 or 7-digit, depending on verison
Digit height	4 mm, visual
Operating temperature	- 10 + 50 °C
Storage temperature	- 40 + 60 °C
Mounting	depending on version
Mounting position	any
Protection class (DIN 4050)	IP 65
Vibrostability	20 m/s ² (10150 Hz) acc. to IEC 068-2-6
Shock stability	2.000 m/s ² (3 ms) acc. to IEC 068-2-27
Maintenance-free operation	10 million increments
Case	Makrolon
Weight	approx. 12 g
Counting mode	adding
Actuation	with conventional permanent magnets
Actuating distance	Fe-version 0.5 mm
	N and S magnets see order information
Response flux density	> 10 mT (100 Gauss)
Release flux density	< 4 mT (40 Gauss)
Actuating speed	2 m/s
Counting frequency max.	20 digits/s
Reset	none

DIMENSIONS



ORDER INFORMATION

		Ordering code	Ordering code	Ordering code
Counter withou	ut attachment	North pole	South pole	Fe
accessories	6-digit	0 490 001	0 490 002	0 490 003
	7-digit	0 490 004	0 490 005	0 490 006
Attachment pla	ates	ZB0	ZBL	ZBH
·		2 490 011	2 490 012	2 490 005
Hose clamps		20 32 mm	25 40 mm	40 60 mm
·		3 515 055	3 515 056*	3 515 057
Distance 10 mr	n	Distance 30 mm	l	Magnetic plate 6 mm

3 532 024

3 532 025

Actuating magnets (North pole)

3 532 023
* on request

Doc No: TTCC094 Rev: 001	Impulse Automation Limited	Page
15-11-19	Company Registration 665193	2 of 2