

E320 VAR 504

Electro-Magnetic Toothed Clutch

Characteristics

- Electrically operated 24 or 103,5 VDC depending size
- Toothed clutch
- Activated by power on

Utilisation

- Coupling of a pulley or a hub
- Engagement has to be made at standstill or at very low speed, in case of doubt consult the factory
- For wet operation use models VAR n0
For dry operation use models VAR n4 (sealed bearings)

Particularities

- Positive coupling for drive without slipping
- Standard available for random or synchronised operation (one or more position(s)/rev).
Multiposition/rev as option (VAR n0 or VAR n4, "n" indicates number of positions)
- Fixed inductor mounted on ball bearings
- Non sealed bearings for use oil environment
- Sealed bearings for dry operation

Adjustments

- Verify position of tooth "J" prior to installation
- No wear adjustment required

Maintenance Manual

- SM 309

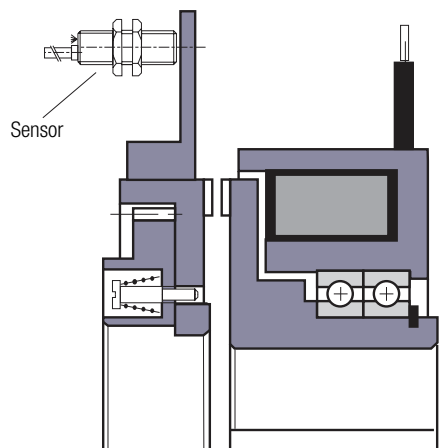
Mounting Precautions

- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball bearings.
- It is forbidden to use in case of vibrations
- Device intended for horizontal use; for vertical use, please consult the factory

Power Supply

- For sizes until 3200
CBC 400-24 , CBC 450-24,
CBC 140-5 + CBC 140-T
- For sizes 6400 to 25600
CBC 140-5

Mounting Example

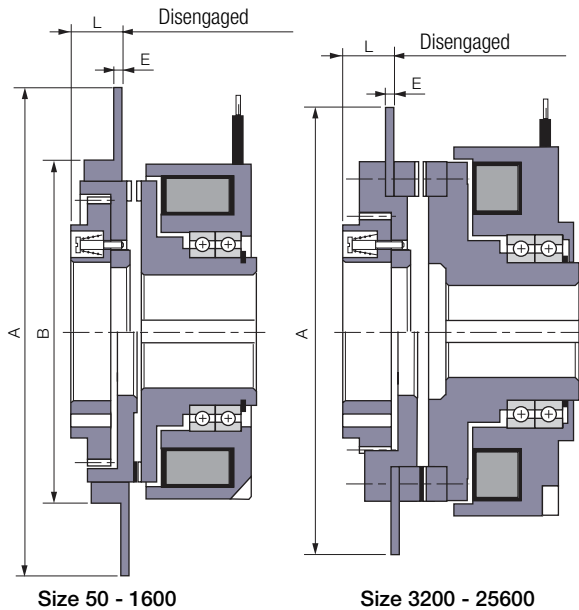


Connector Options

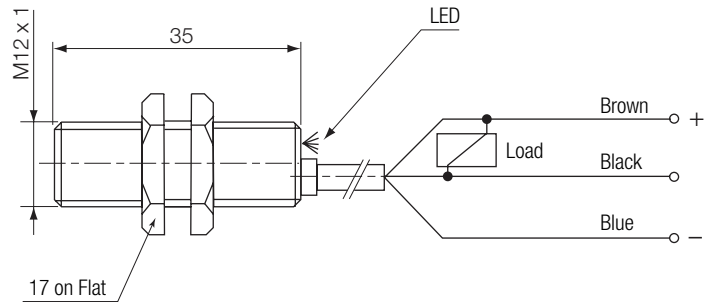
(Delivered without cable)

2 poles, capacity : 0,5/2,5mm²

Electro-Magnetic Toothed Clutch



Inductive Proximity Sensor



Part number BT768000124

Other dimensions, see page 39

Sizes	50	100	200	400	800	1600	3200	6400	12800	25600
A	135	152	168	178	205	250	288	400	465	540
B	88	104	120	132	158	205	235	—	—	—
E	3	3	3	3	3	3	3	5	5	5
L	12	14	15,5	16	20,5	28	40	37,5	42	59,5
Inertia*	[kgm ²]	0,0003	0,0005	0,0007	0,0010	0,0020	0,0043	0,017	0,081	0,242

* Value to be added to Inertia (2), see page 39.

INDUCTIVE PROXIMITY SENSOR with built-in electronic board

Characteristics

Rate operating distance (steel target)	2 mm
Monting	shilded
Switching element function	Normally open
Cable	NPN, 3 x 0,34 mm ² , 2 m
Usable supply voltage	18 V... 30 VDC
Ripple voltage	10 %
No load supply voltage	10 mA
Rated operational current	120 mA
Voltage drop	1,5 V
Off-state current	10 µA
Short circuit protection	yes
Overload protection	yes
Reverse battery protection	yes
Wire break resistance	yes
EMC	Group A
Operating frequency	2000 Hz
Hysteresis	15 %
Temperature drift	10 %
Repeat accuracy	10 %
Housing	Nickel-plated brass
Front cap	PBTP
Degree of protection (EN 60529)	IP 67
Ambiant air temperature	-25°C... +70°C
Part number	BT768 000 124