Proximity Magnetic Sensors Magnetić units **CL Series**





- Rectangular, cylindrical or trapezoidal housing
- Several dimensions
- Side or front operating mode

Product Description

Magnetic units used for operating magnetic proximity sensors consist of permanent magnets sharply sized for the job they are intended. Their shape can be rectangular or cylindrical. Block-shaped magnetic units must be placed on non-magnetic supports,

their minimum thickness must be in accordance with those one listed in table, in parallel to the switch longitudinal axis.

Ordering Key	CL 2		
Magnetic unit ————— Type ————————————————————————————————————			

General

Shape	Housing material	Magnetic material*	Minimum separation**	Reference
Rectangular	Plastic	Alnico	10	CL1
Ü	Plastic	Alnico	20	CL2
	Plastic	Alnico	30	CL3
	Plastic	Alnico	50	CL4
Cylindrical	Plastic	Alnico	Not mandatory	CL10
•	Plastic	Alnico	Not mandatory	CL11
	-	Ferrite	Not mandatory	CL18
	-	Ferrite	Not mandatory	CL23
	-	Ferrite	Not mandatory	CL31
	-	Ferrite	Not mandatory	CL20S1
	-	Ferrite	Not mandatory	CL20S3
	-	Ferrite	Not mandatory	CL50
Trapezoidal	Plastic	Alnico	Not mandatory	CL90
Distances are specifi	ied in millimeters (mm)		,	

Magnetic Material Description

The principal materials by which are realized the above mentioned magnetic units can be classified in:

- Ferrite: is a mixture made of iron oxide and barium carbonate (or strontium) and is obtained through a dry or wet way sintering process.
- Alnico: is a mixture made of iron, aluminum, nickel, cobalt and other elements in lower percentage; it is obtained through fusion and its principal features are the hardness and the relative resistance to hits, the high value of mag netization and the possibility to be used to high temperatures.

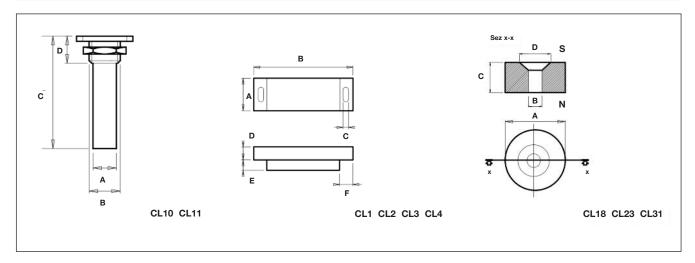
^{*} see Magnetic Material Description table for more datails.

^{**} minimum distance required between two magnetic units on the same axis.

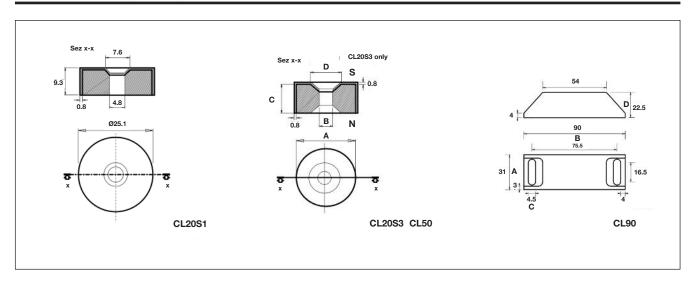
Type Selection

5 2.7 1.5 2.7 3.2 6 4.2	7 9 2 9 2 10		CL1 CL2 CL3 C CL4
1.5 2.7 3.2 3 4.2	7 9 2 9 2 10		CL3 CL4
3 4.2	2 10		0 CL4
10 1 05 00	40.5		
12x1.25 32	10.5		CL10
18x1.5 65	11		CL11
6	6		CL18
5 9	10		CL23
5 10	10		CL31
8 10.	.5 9.8		CL20S
8 10.	.5 9.8		CL20S
	0		CL50
10	5 22.5		CL90
	3 10 10	3 10.5 9.8 10 0	3 10.5 9.8 10 0

Dimensions



Dimensions (cont.)



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Sensor Fixings & Accessories category:

Click to view products by Carlo Gavazzi manufacturer:

Other Similar products are found below:

F03-01 SUS304 BINIL 8000-5130 FH-AP1 PH-1-10M PH-1-20M PH-2-30M AC201 R4 ADI-LC3S EC18-WELL PBT420-100R PC
15015 K35-4 A-1923 SS-12143 STA12 AP4-T PH-1-50M R6 D01051301 43912557-020 MF-1 D=3.2 BGN-035 E39-L7 ZX-SB11

D01070602 606072 606075 Y92ES12PVC4A10ML Y92ES12PVC4S5ML SA9Z-F11 Z49-SF1 ZFV-XMF2 E4R-R12A-CS3M010 28810-2

ZX-SW11E V3 CCS-PL-LDR2-70 E4R-R12A-CS3M020 BS-1T CHITAN F03-01 CHITAN CCS-PD2-1012 ZX-SFW11E V3 PH-2-90M

PH-2-5M XMLZL008 AC244 28810-1 PH-1-40M SS-12225 32043-500