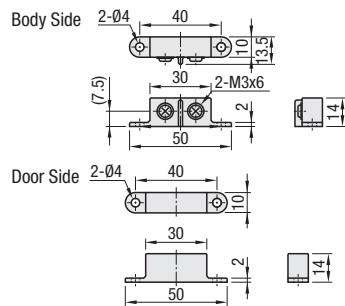


Magnetic Catches with Sensors / Door Limit Switches

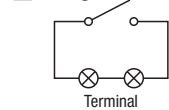
Reduced
Days to Ship

Door Limit Switches

BCWS



Wiring



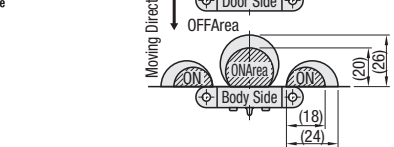
Performance

Detection Distance	As Shown Below	Part Name	M Material
Max. Operating Voltage	DC100V	Main Body	ABS Resin
Max. Operating Current	0.5A	Magnet	Ferrite
Max. Operating Power	10W	Terminal	304 Stainless Steel
Contact Resistance	150mΩ		
Withstand Voltage	DC200V 1min		

AC Unusable



Detection Range



Part Number	Mass (g)	Unit Price	Volume Discount Rate
Type No.		1~9 pc(s).	10~
BCWS 1	19		

Part Number
BCWS1

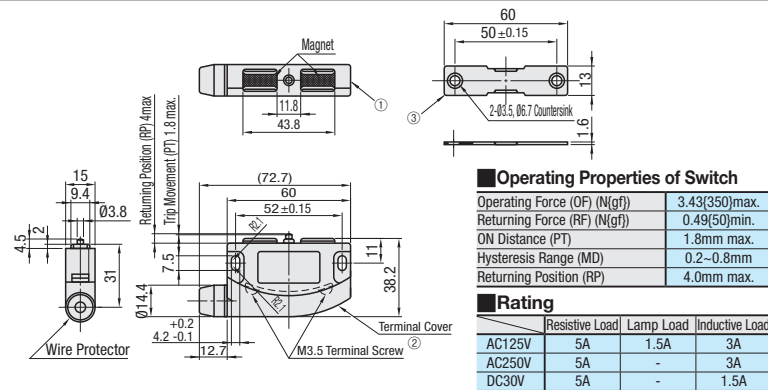
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Terminal Type

MGST



No.	Part Name	M Material	S Surface Treatment
①	Main Body	Polybutyleneterephthalate (PBT Polybutylene Terephthalate)	-
②	Terminal Cover	Polycarbonate	-
③	Back Plate	Low Carbon Steel	Nickel Plating



Part Number	Retention Force (kgf)	Case Color	Mass (g)	Unit Price	Volume Discount Rate
Type No.				1~4 pc(s).	5~
MGST 1	3	Gray	52		
MGST 2	3	Gray	52		

Part Number
MGST1

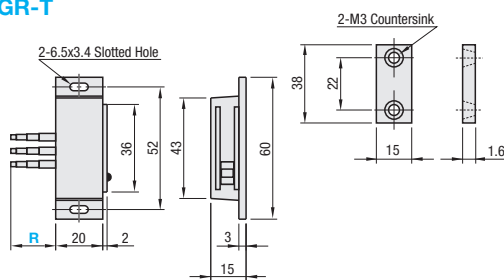
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Performance - Overview

Electrical Performance	Insulation Resistance (Initial)	100MΩ or More (with 500VDC Insulation Resistance Meter)	Service Life	Mechanical Life	100,000 Times or More (Open-Close Frequency: 60 times/min.)	Operating Temperature	-20~+80°C (No Freezing)
Withstand Voltage	Between Contact Points: 1,000VAC/min. (Initial)		Electrical Life	Life	30,000 Times or More (Resistance Load 250VAC, 5A) Open/Close Frequency: 20 times/min.	Operating Environment Humidity	95% RH or Less
	Between Each Terminal and Non-charging Metal Part: 2,100VAC/min.			Degree of Protection	IP40	Allowable Operating Frequency	Mechanical: 60 times/min., Electrical: 20 times/min.

3 Wire Magnetic Catches

HMGR-T



When the main body and the plate are in contact, White-Red conducts.

When the main body and the plate are separated, White-Black conducts.

Part Name	M Material	S Surface Treatment
Main Body	Polyethylene	-
Plate	Low Carbon Steel	Trivalent Chromate

Part Number	Retention Force (kgf)	Mass (g)	Unit Price	Volume Discount Rate
Type			1~9 pc(s).	10~
HMGR-T 150	2	43		
HMGR-T 2000	2	43		

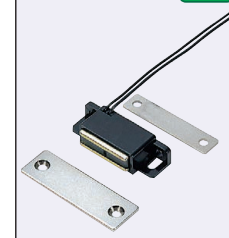
The default R dimension is 150 unless specified.

Part Number
HMGR-T - 150

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Magnetic Catches with Sensors / Ball Catches

Wire Connection Type



No.	Part Name	M Material	S Surface Treatment
①	Main Body	Polycarbonate	-
②	Catch Plate	Low Carbon Steel	Nickel Plating
③	Back Plate	Steel	Nickel Plating

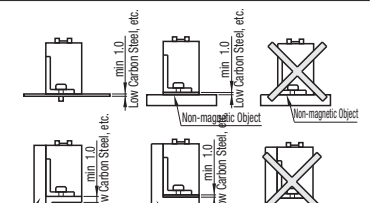
Part Number	Retention Force (kgf)	Mass (g)	Unit Price	Volume Discount Rate
Type No.			1~4 pc(s).	5~
MGSR 1	3	28		
MGSR 2	3	28		

Part Number
MGSR2

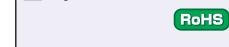
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Caution

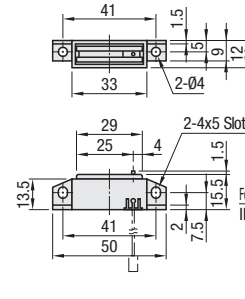
- Do not apply any strong impacts since a lead switch is used.
 - Do not use or store in places with strong magnetic fields.
 - Carefully keep magnetic materials (particles) and adhesive objects and etc. away from the attraction surface of the product.
- To mount it on a nonmagnetic object (wood, plastic, glass, aluminum, etc.), mount the included back plate or a similar magnetic object on the mounting surface.



Magnetic Catches with Switch



MGSTK



Performance

Circuit Type	1 Circuit, 1 Contact, Normally Closed
Rating	30VDC 10mA (Resistive Load)
Maximum ON/OFF Voltage	500VAC/min.
Maximum Contact Resistance	100MΩ or More (500VDC)
Operating Temp. Range	-10°C~+70°C
Lead Wire	For IL-G of Japan Aviation Electronics
Lead Wire Tensile Strength	1kgf

Part Name	M Material	S Surface Treatment
Main Body	Polypropylene	-
Magnet	Ferrite	-

Part Number	Retention Force (kgf)	Case Color	Mass (g)	Unit Price	Volume Discount Rate
Type				1~9 pc(s).	10~49 50~
MGSTK 3	3	Black	13		

Part Number
MGSTK

Configure Online

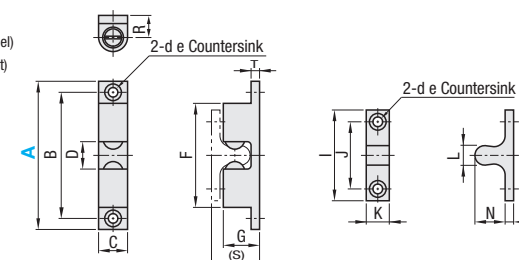
Ball Catches



BCAS (Stainless Steel)

BCASS (Stainless Steel)

BCASD (Zinc Die Cast)



Type	M Material	S Surface Treatment
BCAS	316 Stainless Steel	-
BCASS	304 Stainless Steel	-
BCASD	Zinc Die Cast	Chrome Plating

Part Number		B	C	D	d	e	F	G	T	I	J	K	N	L	R	(S)	Latching Force N (kgf)	Unlatching Force N (kgf)	Mass (g)	Unit Price		
Type	A																			BCAS	BCASS	BCASD
BCAS BCASS BCASD	32	25	8	4	3.2	6.2	18	9	2	18	11	8	6.5	3.2	6	11.5	17(1.7)	8(0.8)	12			
	43	35	8	5.9	3.2	6.2	28.4	10	2.5	25	16	7.5	8.5	4.5	6	13.5	20(2)	13(1.3)	16			
	50	40	10	7.5	4.2	8.2	31.5	12.2	2.9	30	20	9	10.3	6	7.7	15.9	23(2.3)	18(1.8)	28			
	70	60	13	13					51	17	4	42	30	10.5	15	10	10.5	23	56(5.7)	38(3.9)	78	

Part Number
BCAS50

Configure Online



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