


MISGRIPPING SENSOR UNITS

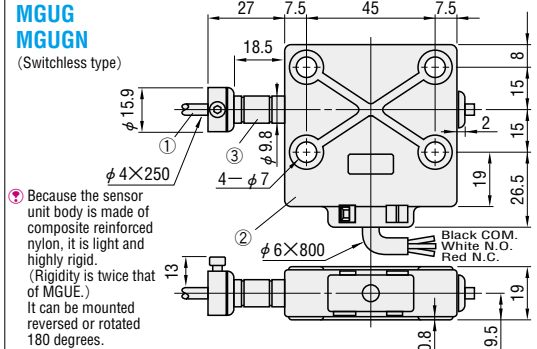
—LIGHTWEIGHT TYPE—

MISGRIPPING SENSOR UNITS


—HIGH-RIGIDITY TYPE—



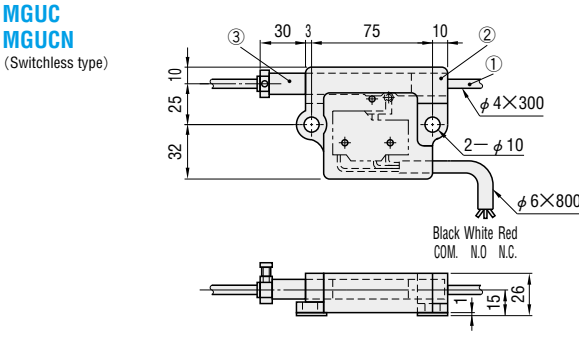
MGUG
MGUGN
(Switchless type)




① Because the sensor unit body is made of composite reinforced nylon, it is light and highly rigid. (Rigidity is twice that of MGUE.) It can be mounted reversed or rotated 180 degrees.

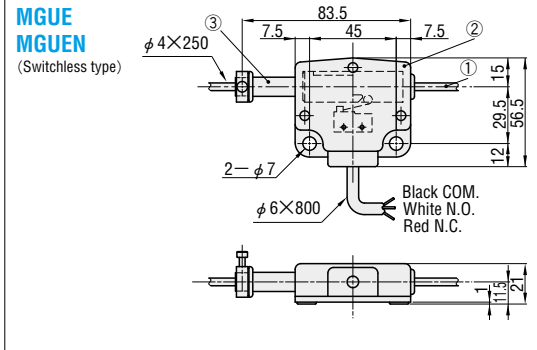



MGUC
MGUCN
(Switchless type)



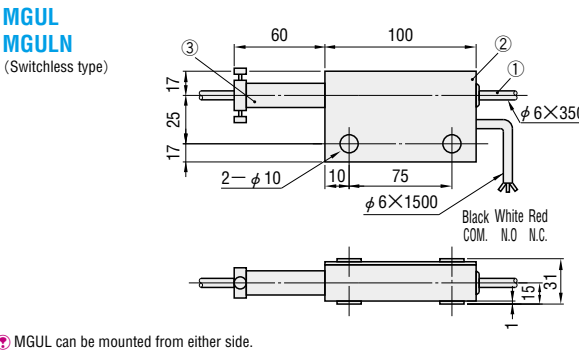


MGUE
MGUEN
(Switchless type)





MGUL
MGULN
(Switchless type)



④ MGUL can be mounted from either side.

① Check bar ④ SWP—A ⑦ Microswitch (product of OMRON) Utility model No. 55—32665

② Protective cover ⑤ SS400 MGUC Z—15GW2255—B 32666

③ Rod bar ⑥ Nylon, reinforced nylon (MGUG·MGUGN) MGUE·MGUL·MGUG D2SW—3L2H 13558

⑧ Polyacetal ⑦ Electroless nickel plating 13559

Order **Catalog No.**
MGUG
MGUCN

Days to Ship **Quotation**

Price **Quotation**

Catalog No.	Base unit price 1~19 pieces	Catalog No.	Base unit price 1~19 pieces	Catalog No.	Base unit price 1~19 pieces	Catalog No.	Base unit price 1~19 pieces
MGUG	Quotation	MGUC	Quotation	MGUE	Quotation	MGUL	Quotation
MGUGN	Quotation	MGUCN	Quotation	MGUEN	Quotation	MGULN	Quotation

How to use

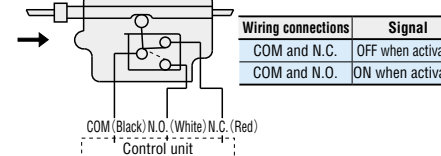
The built-in microswitch in the misgripping sensor unit is activated when the unit rod is pressed. It outputs a signal when the grip fingers have failed to grasp the workpiece (misgrip). Therefore, wire the unit so that the press machine stops when the signal is output.


Operation

Check bar motion	Rod bar motion	Status	Length of stroke	
			MGUC·MGUE·MGUG	MGUL
→	→	Advance end	0mm	0mm
→	→	Switch ON	5±1mm	5±1mm
→	→	Stable detection	8mm	8mm
→	→	Reverse end	15mm	50mm

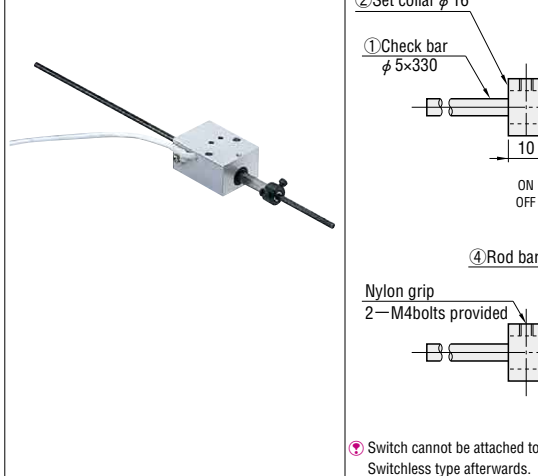
Wiring connections

Wiring connections	Signal
COM and N.C.	OFF when activated
COM and N.O.	ON when activated



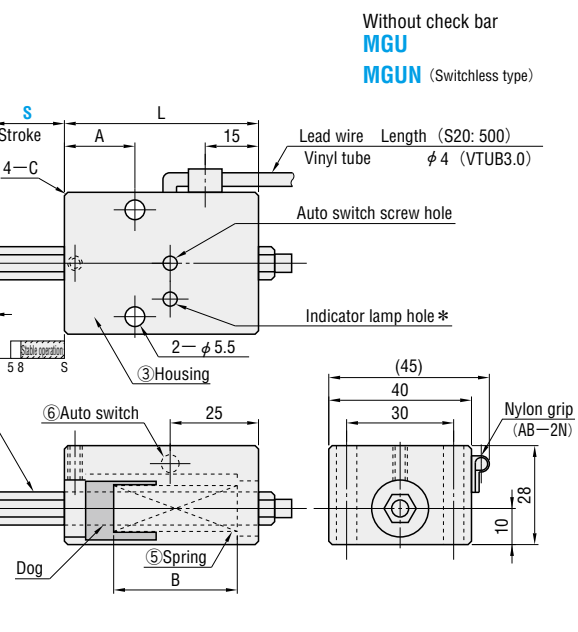


MGUA
MGUN
(Switchless type)



With check bar
MGUA
MGUN (Switchless type)

Without check bar
MGU
MGUN (Switchless type)



① Check bar $\phi 5 \times 330$ ② Set collar $\phi 16$ ③ Housing ④ Rod bar ⑤ Spring ⑥ Auto switch

⑦ Automatic switch D-A90 (without indicator lamp) (product of SMC)

⑧ Applicable load IC circuit, relay, PLC

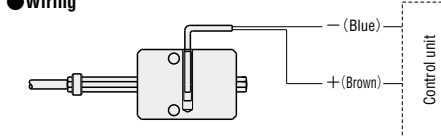
⑨ Load voltage AC 24V or less AC 48V or less AC 100V or less

⑩ Max. load current 50mA 40mA 20mA

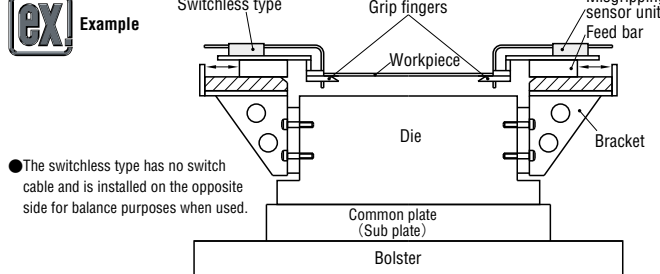
L	A	B	C	⑤ Spring	Catalog No.	Stroke S	Base unit price 1~99 pieces		Order	Catalog No.
							With check bar	Without check bar		
55	20	35	0.3	WY13-45	MGUA MGU MGUN (Switchless type)	20	Quotation	Quotation	Quotation	MGUA 20

Alteration	Automatic switch change		Addition of protective cover on lower part of unit body	
	Code	A93	DP	
Spec.	Changed to type with operation check indicator lamp.	Automatic switch product number	D-A93 (product of SMC)	
		Applicable load	Relay, PLC	
1Code	Quotation	Load voltage	24V DC	100V AC
		Load current range and Max. load current	5~40mA	5~20mA
		Indicator lamp	Red LED illuminates when switch is ON.	

Wiring



Example



④ MGUA has a N.O. contact only (ON when activated).

⑤ In the following cases, the contact life may be shortened. The use of contact protection box CD-P11 or CD-P12 is strongly recommended.

- The load used is an induction load.
- The wire length is 5m or longer.
- The load voltage is 100V AC or higher.

CONVENIENCE COMPONENTS FOR AUTOMOTIVE DIES