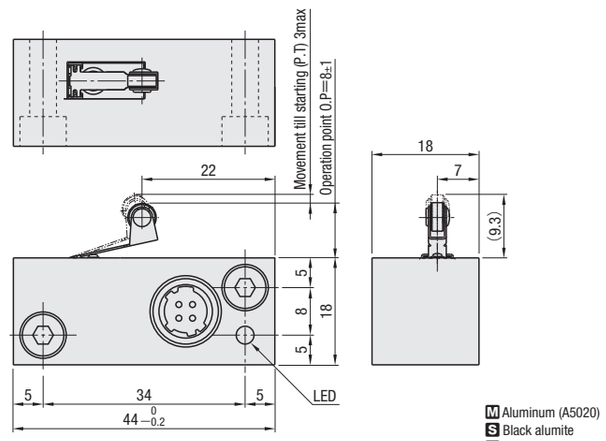
EJECTOR PLATE RETURN DETECTION SWITCHES

—MOLD SIDE ATTACHMENT TYPE WITH CONNECTOR EMBEDDED HINGED ROLLER LEVER TYPE—

EPRSR—24V



M Aluminum (A5020)
S Black alumite
A CB4-20···2 pcs.

Part Number	U/Price
	1～9
EPRSR—24V	Quotation

Order — Part Number: EPRSR—24V

Days to Ship — Quotation

Price — Quotation

■Features

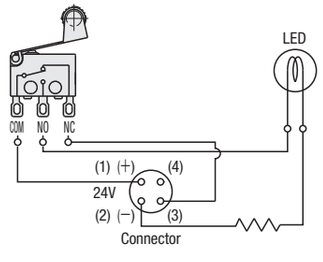
- The ejector plate return detection switch can be mounted just by making a bolt hole on the side of movable installation plate.
- Complicated wiring process is not required due to incorporation of connector.
  Quick and easy removal is made possible by using special cable EPRSC. Reduces time for mold replacement.
- Since the part of connection with wiring and switch is not exposed, dust and dirt can be prevented, while the risk of wire breakage and electric shock, etc. is reduced.
- LED turns red when the ejector plate returns.

■Notes

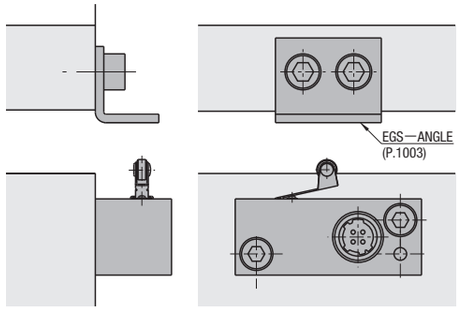
- Do not apply side force or overstroke towards the lever switch. Moreover, during mold transfer or maintenance, be careful not to apply large force from outside, which may result in damage of switch.

■EPRSR-24V	
Rated voltage	DC24V 1A
Circumferential temperature to be used	−40～85℃
Force needed to start	0.64N
Return force	0.049N
■Micro switch (manufactured by PANASONIC)	
Model	ABJ241661
■Receptacle (manufactured by HIROSE)	
Model	HR10A—7R—4P

■Wiring diagram



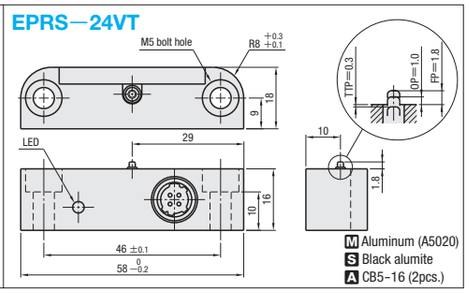
Example



CABLES FOR EJECTOR PLATE RETURN DETECTION SWITCH

The switch position is 29mm from right end. Please make sure before ordering.

EPRS—24VT



M Aluminum (A5020)
S Black alumite
A CB5-16 (2pcs.)

Part Number	U/Price
	1～9
EPRS—24VT	Quotation

Order — Part Number: EPRS—24VT

Days to Ship — Quotation

Price — Quotation

■Features

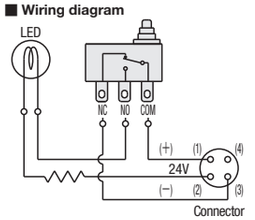
- Easy to mount. The ejector plate return detection switch can be mounted by pocket added on the movable mold plate, which does not require complicated wiring process.
- Reduces time for mold replacement. The connector can be removed by only pulling the connecting sleeve. (one-touch function)
- LED turns red when the ejector plate returns.
- Ensures damage-free structure at the time of transfer/maintenance as the switch does not fall out of the mold.

■Notes

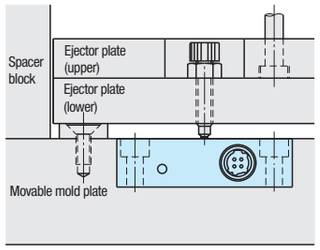
- To prevent damage, do not overstroke the micro-switches.

■EPRS—24VT	
Rated voltage	DC24V 1A
Circumferential temperature to be used	−40～85℃
Force needed to start	0.75N
Return force	0.10N
Free position FP	1.8mm
Operation point OP	1.0±0.2mm
Operating point limit TTP	−0.3mm
■Micro switch (manufactured by OMRON)	
Model	D2HW—BR201H
■Receptacle (manufactured by HIROSE)	
Model	HR10A—7R—4P

■Wiring diagram

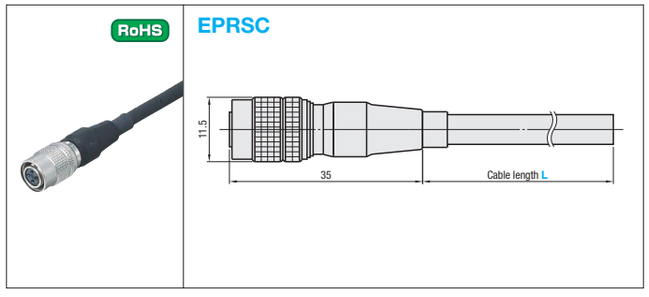


Example



RoHS

EPRSC



Part Number	L (100mm increments)	U/Price
		1～9
EPRSC	500～8000	Quotation

Order — Part Number: EPRSC — L: 3000

Days to Ship — Quotation

Price — Quotation

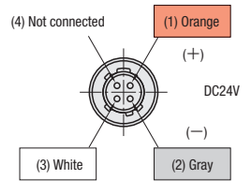
■Features

- Reduces time for mold replacement. The connector can be removed by only pulling the connecting sleeve. (one-touch function)
- Oil-resistant/heat-resistant/flexible material is used for the cable, which has passed flame-resistant tests of UL/VW-1/C-UL/FT1.

■Notes

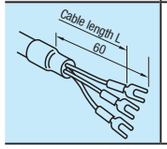
- EPRSC is the cable exclusively used for The ejector plate return detection switch (EPRS-24VT). Do not use it for other purposes.
- The number of the core of the connector is 4. However, 3-conductor cable is used.

■Connection wiring diagram (a view from the connector joint)

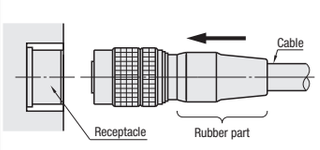
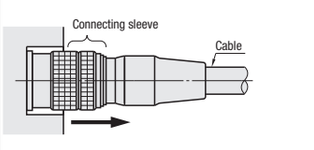


■Connector (manufactured by HIROSE)	
Model	HR10A—7P—4S
■Cable	
Model	UL2464TA
AWG size	24
No. of core	3
Outer diameter of core	1.15mm
Temperature to be used	0～80℃
Outer diameter	4.4mm

Alterations — Part Number — L — (FC3): EPRSC — 3000 — FC3

Alteration	Code	Spec.	1Code
	FC3	Fit the Y-shaped crimping terminal to the cable.	Quotation

■How to attach/detach the connector

	Hold the rubber and align it with the guide of the receptacle and plug it in.
	Hold the connecting sleeve of the connector, and pull it out.