

## Features

- DC type with short circuit protection and polarity reversed protection.
- AC type with surge absorbing circuit may avoid surge damaged.
- High solid compact structure IP-67 suited to be applied in the poor circumstance.
- All models with operation LED, easy to adjusted.



## Specifications

Type	PSF-QP2-4020N-S4U	PSF-QP2-4020P-S4U	PSF-QP1-4015A-C4L
Output type	NPN N.O. / N.C.	PNP N.O. / N.C.	N.O or N.C. Changeable
Sensing direction	20mm	20mm	15mm
Operation voltage	10 ~ 30 VDC	10 ~ 30 VDC	20 ~ 250VAC
Ripple	< 10%	< 10%	-
No load current	< 10mA		< 2.5mA
Max. load current	< 200mA		< 400mA
Leakge current	< 0.01mA		2.5mA
Surge current	-		5A(20ms)
Min. load current	-		5mA
Voltage drop	< 1.5V		< 8VAC AT 400mA
Switching frequency	100Hz		< 25Hz
Response time	1ms/1ms		10ms/10ms
Switching hysteresis	< 15%(Sr)		< 15%(Sr)
Repeat accuracy	< 1.0%(Sr)		< 1.0%(Sr)
Operation temperature	-25°C ~ +75°C		-25°C ~ +70°C
Protection class	IP-67		IP-67
Short current protection	Yes		-
Overload trip point	220mA		-
Time delay before availability	< 10mA		-
Wire	DC 4 wire		AC 2 wire
Housing material	PBT RESIN		

## Dimensions (Unit:mm)

