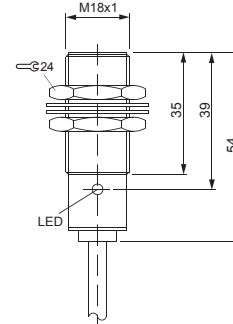
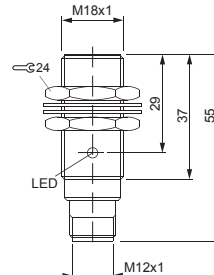
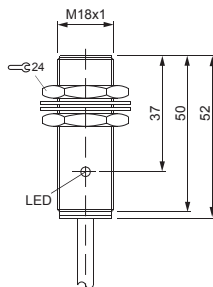
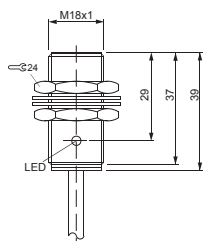
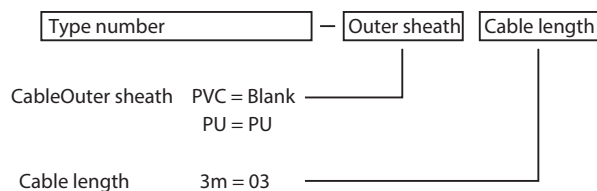


Housing size	M18 x 1	M18 x 1	M18 x 1	M18 x 1
Mounting type	Shield A	Shield A	Shield A	Shield B2
Rated operating distance(Sn)	5mm	5mm	5mm	7mm
Assured operating distance(Sa)	0...4mm	0...4mm	0...4mm	0...5.6mm



Type number	DC2W N.O. N.C.	BR3-1805D BR3-1805D1	BR5-1805D BR5-1805D1	BC5-1805D BC5-1805D1	BR5-1807F -
Rated operational voltage(Ue)	12...24V DC	12...24V DC	12...24V DC	12...24V DC	12...24V DC
Supply voltage(Us)	10...30V DC	10...30V DC	10...30V DC	10...30V DC	10...30V DC
Voltage drop(Ud)	=<3.5V	=<3.5V	=<3.5V	=<3.5V	=<3.5V
Rated operational current(Ia)	4...100mA	4...100mA	4...100mA	4...100mA	4...100mA
Off-state current(Ir)	=<0.5mA	=<0.5mA	=<0.5mA	=<0.5mA	=<0.65mA
Circuit protection	Polarity, Short circuit	Polarity, Short circuit	Polarity, Short circuit	Polarity, Short circuit	Polarity, Short circuit
-	-	-	-	-	-
Ambient temperature range(Ta)	-25...+70degrees C	-25...+70degrees C	-25...+70degrees C	-25...+70degrees C	-25...+70degrees C
Frequency of operation(f)	500Hz	500Hz	500Hz	500Hz	200Hz
LED indication	Function	Function	Function	Function	Function, Setting
Protection class per IEC60529	IP67	IP67	IP67	IP67	IP67
Material	Housing: Nickel plated brass Active surface: Poly Propylene	Nickel plated brass Poly Propylene	Nickel plated brass Poly Propylene	Nickel plated brass Poly Propylene	Nickel plated brass Nylon
Connection	Cable	Cable	connector/M12	Cable	
Cable	Outer sheath: PVC Diameter/core: Ø 5mm / 2 x 0.5mm <sup>2</sup> Length: 2m,3m,5m	PVC Ø 5mm / 2 x 0.5mm <sup>2</sup> 2m,3m,5m	- -	PVC Ø 5mm / 2 x 0.5mm <sup>2</sup> 2m,3m,5m	
Remarks			Pin assignment of NO & NC 1 = +, 3 = -		

\*In ordering, please specify cable specification (outer sheath and length) as following example.



Ordering example (PVC cable 3m)

BR3-1805D-03