

IN18022W INDUCTIVE SENSORS • INCREASED AMBIENT TEMPERATURE

sensor inductive, M18x1 91long, Non-flush, Sn: 8, 10-35V DC, 150°C, PNP NC, Connector M12, IP65, Stainless steel



MECHANICAL FEATURES

Alignment of cable entryAxialAmbient temperature0 °C 150 °CCable infeedAxialDegree of protection (IP)IP65DesignCylinder, screw-threadHousing materialStainless steelIncreased ambient temperatures > 80°C+Mechanical mounting condition for sensorNon-fushPressure-proof-Sensor length91 mmThread pitch1 mmThread pitch1 mmThread pitch3Thread size, metric18Correction factor (copper)0.4Correction factor (stars)0.4Correction factor (stars)0.7Correction factor (stars)15 %No-du current150 mANordu current150 mAReadiness delay5 msReadiness delay5 msReadiness delay12 msResidual ripple10%Residual ripple12 msResidual ripple12 msShort-circuit protection+Short-circuit protection5 msResidual ripple10%Short-circuit protection+Short-circuit protection5 msResidual ripple10%Short-circuit protection5 msResidual ripple10%Short-circuit protection5 msResidual ripple10%Short-circuit protection5 msShort-circuit protection5 msResidual ripple10%Short-circuit protection5 ms <t< th=""><th>MECHANICAL FLATORES</th><th></th></t<>	MECHANICAL FLATORES	
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Thread size, metric18ELECTRICAL FEATURESCascadable-Correction factor (aluminum)0.3Correction factor (brass)0.4Correction factor (copper)0.2Correction factor (stai7)1Correction factor (stainl. steel)0.7Hysteresis15 %No-load current15 mANorm measuring plate18x18x1Rated switching current150 mAReadiness delay5 msRelative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	Thread length	60 mm
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Correction factor (aluminum)0.3Correction factor (brass)0.4Correction factor (copper)0.2Correction factor (St37)1Correction factor (stainl. steel)0.7Hysteresis15 %No-load current15 mANorm measuring plate18x18x1Rated switching current5 msReadiness delay5 msRelative repeat accuracy3%Response time1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	ELECTRICAL FEATURES	
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Correction factor (St37)1Correction factor (stail. steel)0.7Hysteresis15 %No-load current15 mANorm measuring plate18x18x1Rated switching current150 mAReadiness delay5 msRelative repeat accuracy3 %Residual ripple1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	Correction factor (brass)	0.4
Correction factor (stainl. steel)0.7Hysteresis15 %No-load current15 mANorm measuring plate18x18x1Rated switching current150 mAReadiness delay5 msRelative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protections-Suitable for safety functions-	Correction factor (copper)	0.2
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No-load current15 mANorm measuring plate18x18x1Rated switching current150 mAReadiness delay5 msRelative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protection-Suitable for safety functions-	Correction factor (stainl. steel)	0.7
Norm measuring plate18x18x1Rated switching current150 mAReadiness delay5 msRelative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protections-Suitable for safety functions-	Hysteresis	15 %
Rated switching current150 mAReadiness delay5 msRelative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protection+Short-circuit protections-	No-load current	15 mA
Readiness delay5 msRelative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	Norm measuring plate	18x18x1
Relative repeat accuracy3 %Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	Rated switching current	150 mA
Residual ripple10 %Response time1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	Readiness delay	5 ms
Response time1.2 msReverse polarity protection+Short-circuit protection+Suitable for safety functions-	Relative repeat accuracy	3 %
Reverse polarity protection+Short-circuit protection+Suitable for safety functions-	Residual ripple	10 %
Short-circuit protection+Suitable for safety functions-	Response time	1.2 ms
Suitable for safety functions -	Reverse polarity protection	+
	Short-circuit protection	+
Supply voltage 10 V 35 V	Suitable for safety functions	-
	Supply voltage	10 V 35 V

IPF ELECTRONIC

ELECTRICAL FEATURES

Switching distance	8 mm
Switching frequency	400 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally closed contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With monitoring function of downstream devices	-

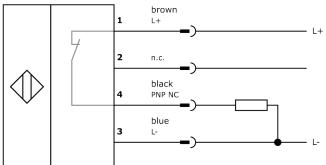
Other

Packaging dimensions	0.0mm x 0.0mm x 0.0mm
Shipping weight	0.08kg
Tariff code	85365019

Classification

ipf product group	202
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

Connection





Dimensional drawing



Installation



Mounting / installation may only be carried out by a qualified electrician!



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information. Never use these devices in applications where the safety of a person depends on their functionality. LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.