



INDUCTIVE PROXIMITY SENSOR

Higher Performance at Reduced Price

QS·QL Series
Square-shaped
Top SENSING



TS Series
Tubular type



Quality . Technic . Service



TS Series

OS Series

QL Series

規格索引 Select Guide

QL-1805 **NA-4C**

1 2 3 4 5 6

1 系列別 Products Series

QS: 塑膠角柱型 Square Type
 QL: 塑膠角柱型 Square Type
 TS: 金屬圓柱型 Tubular Type

2 外徑尺寸 Dimension

18:18mm

3 感應距離 Sensing Distance

05:5 mm

4 輸出型式 Output Type

NA:NPN-常開型 NPN Normally Open
 NB:NPN-常閉型 NPN Normally Close
 PA:PNP-常開型 PNP Normally Open
 PB:PNP-常閉型 PNP Normally Close

5 電線長度 Wire Length

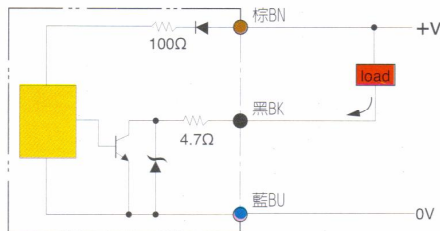
無: 標準品 2m none: standard(2m)
 4:4m

6 接頭出線方式 Connector

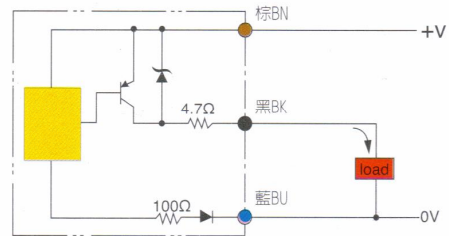
C: 快速接頭 Plug connector

輸出迴路及接線圖 Output Circuit-Wiring Connections

NPN



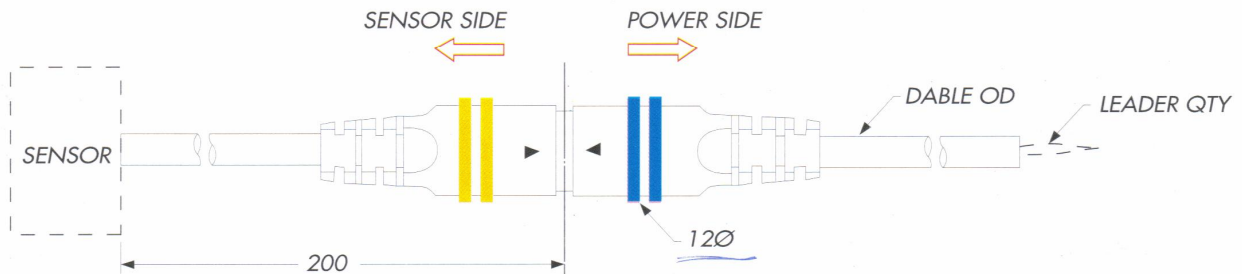
PNP



快速接頭 Plug Connectors

TS-08 系統無連接器接頭

Series TS-08 is the type which have no plug connectors.



規格性能 Specifications

DC SQUARE SHAP PROXIMITY SENSORS 直流角柱型近接感測器

Item	Model No.	QS-1705	QS-1708	QL-1805	QL-1808
Max. operation distance	最大感測距離	5mm±10%	8mm±10%	5mm±10%	8mm±10%
Secure sensing range	安全感測範圍	0 to 4mm	0 to 7mm	0 to 4mm	0 to 7mm
standard sensing object	標準感測物體	Iron steel 17 X 17 X 1 mm			
Hysteresis	磁滯距離	15% or less of operation distance			
Supply voltage	電源電壓	10-30 VDC			
current consumption	消耗電流	10mA or less			
Output current	輸出電流	Maximun sink current 150 mA			
Residual voltage	殘留電壓	1.5V or less (at 150mA sink current)			
Max. response frequency	反應頻率	600HZ	200HZ	600HZ	200HZ
Degree of protection	保護等級	IP67			
Temperature/Humidity	周圍溫度 / 濕度	-20 to +70°C/35 to 95% RH, Storage : -20 to +70°C/35 to 95% RH			
Material	外殼材質	Cade : ABS			
Weight	重量	49g	49g	51g	51g

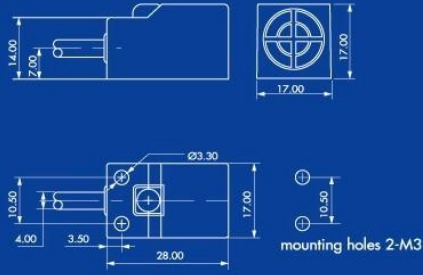
DC TUBULAR TYPE PROXIMITY SENSORS 直流圓柱型近接感測器

Item	Model No.	TS-3010	TS-3015	TS-1805	TS-1808
Max. operation distance	最大感測距離	10mm±10%	15mm±10%	5mm±10%	8mm±10%
Secure sensing range	安全感測範圍	0 to 8mm	0 to 12mm	0 to 4mm	0 to 6.4mm
standard sensing object	標準感測物體	Iron steel 30 X 30 X 1mm		Iron steel 18 X 18 X 1mm	
Hysteresis	磁滯距離	15% or less of operation distance			
Supply voltage	電源電壓	10-30 VDC			
current consumption	消耗電流	10mA or less			
Output current	輸出電流	Maximun sink current 150 mA			
Residual voltage	殘留電壓	1.5V or less (at 150mA sink current)			
Max. response frequency	反應頻率	400HZ	100HZ	600HZ	200HZ
Degree of protection	保護等級	IP67			
Temperature/Humidity	周圍溫度 / 濕度	-20 to +70°C/35 to 95% RH, Storage : -20 to +70°C/35 to 95% RH			
Material	外殼材質	Detection surface 檢出面 : POM 塑鋼 Housing 銅管 : Brass nickel Plated 黃銅鍍鎳			
Type	型式	Shielded 埋入式	Non shielded 露出式	Shielded 埋入式	Non shielded 露出式

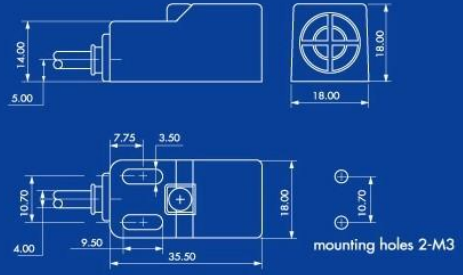
DC TUBULAR TYPE PROXIMITY SENSORS 直流圓柱型近接感測器

Item	Model No.	TS-1202	TS-1204	TS-0801	TS-0802
Max. operation distance	最大感測距離	2mm±10%	4mm±10%	1mm±10%	2mm±10%
Secure sensing range	安全感測範圍	0 to 1.6mm	0 to 3.2mm	0 to 0.8mm	0 to 1.6mm
standard sensing object	標準感測物體	Iron steel 12 X 12 X 1mm		Iron steel 8 X 8 X 1mm	
Hysteresis	磁滯距離	15% or less of operation distance			
Supply voltage	電源電壓	10-30 VDC			
current consumption	消耗電流	10mA or less			
Output current	輸出電流	Maximun sink current 150 mA			
Residual voltage	殘留電壓	1.5V or less (at 150mA sink current)			
Max. response frequency	反應頻率	1KHZ	600HZ	1.5KHZ	1KHZ
Degree of protection	保護等級	IP67			
Temperature/Humidity	周圍溫度 / 濕度	-20 to +70°C/35 to 95% RH, Storage : -20 to +70°C/35 to 95% RH			
Material	外殼材質	Detection surface 檢出面 : POM 塑鋼 Housing 銅管 : Brass nickel Plated 黃銅鍍鎳			
Type	型式	Shielded 埋入式	Non shielded 露出式	Shielded 埋入式	Non shielded 露出式

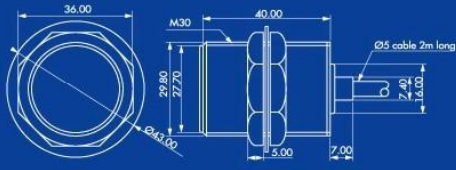
QS-17



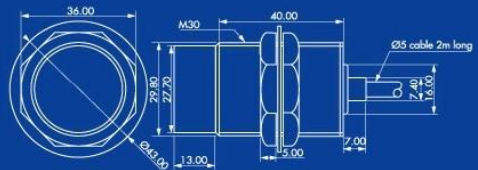
QL-18



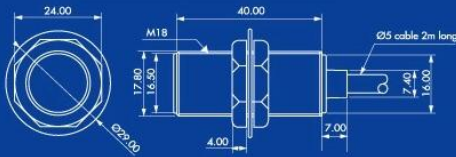
TS-3010



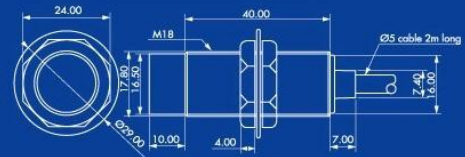
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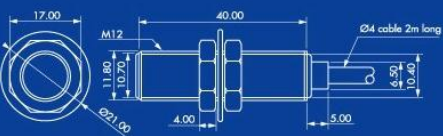
TS-1805



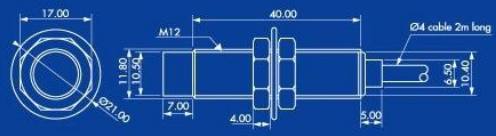
TS-1808



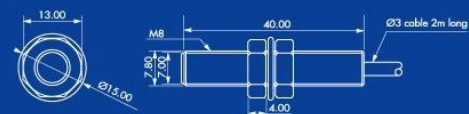
TS-1202



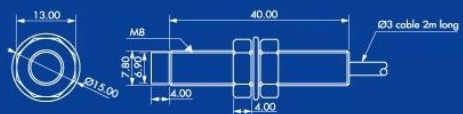
TS-1204



TS-0801



TS-0802



Unit:mm