Reference: EC3016NPASL

Selected parameters CONNECTION Cable MATERIAL Metal HOUSING M30 SENSING RANGE >15 to 20 mm OUTPUT DC NPN SYSTEM Sensor Others HOUSING M30 x 79,0 mm SENSING RANGE 16 mm MATERIAL Stainless Steel

Buy it at Electric Automation Network

Proximity Sensors Capacitive
Stainless Steel Housing
Type EC, M30, DC
• Featuring TRIPLESHIELD™ sensor protection
• Rated operational voltage: 10-40 VDC
• Adjustable sensing distance 2-16 mm or 4-25 mm
• Output: DC 200 mA, NPN or PNP
• Make and break switching function
• LED indication
• High noise immunity
• Flush and non-flush types
• Plug and cable versions available
• AC versions in the same housing
Product Description
Ordering Key
EC 3025 PPA S L-1
Capacitive proximity switches witheithersensingdistance
16 mm flush mounted or sensing distance 25 mm non- flush mounted. 4-wire DC out-put with both make (NO) and
break (NC) switching. M30 stainless steel housing with
2 m PVC cable or plug. Ideal for use in level and plastic ma- chinery applications.
Capacitive proximity switch Housing diameter (mm) Rated operating dist. (mm)
Output type
Housing material Housing type Connection type
Type Selection
HousingRated MountingOrdering no. Ordering no.Ordering no.Ordering no.
diameteroperating Transistor NPN/cableTransistor NPN/plugTransistor PNP/
cableTransistor PNP/plug
dist. (Sn) 1) Make & breakMake & breakMake & break Make & break switching
switching switching switching

M30 16 mmFlush (built-in)EC 3016 NPASLEC 3016 NPASL-1 EC 3016 PPASL EC 3016 PPASL-1
M30 25 mmNon-flushEC 3025 NPASLEC 3025 NPASL-1 EC 3025 PPASL EC 3025 PPASL-1
1) Object: Grounded steel plate
Specifications
Rated operating dist. (Sn)
3016:2 to 16 mm
factory set at 16 mm
3025:4 to 25 mm
factory set at 25 mm
SensitivityAdj. multiturn pot.meter Effective operating dist. (Sr)0.9 x Sn £ Sr £ 1.1 x S
Usable operating dist. (Su) 0.8 x Sr £ Sn > 1.2 x Sr Repeat accuracy (R) £ 5%
Hysteresis (H)3 to 20% of sensing distance
Rated operational volt. (UB)10 to 40 VDC (ripple included)
Ripple £ 10%
Rated operational current (Ie)
Continuous £ 200 mA
No-load supply current (Io) £ 10 mA (no load) Voltage drop (Ud)£ 2.5 VDC at max. load ProtectionReverse polarity,
short-circuit, transients
Frequency of operating
cycles (f)50 Hz
Indication for output ONLED, yellow
Environment
Degree of protection IP 67 (Nema 1, 3, 4, 6, 13)
Temperature
Operating temperature -25° to +80°C (-13° to +176°F) Storage temperature-40° to +85°C (-40° to +185°F)
Housing material
Body Stainless steel (St 304) Front Grey, polyester
Cable end Polyester
NutsNickel plated brass
Connection
CableGrey, 2 m, 4 x 0.34 mm2
Oil proof, PVC Plug (-1)M12 x 1
Cable for plug (-1)CON.1A-series
Weight (incl. nuts)3016: 140 g
3025: 150 g
ApprovalsUL
CE-marking Yes
Specifications are subject to change without notice (20.08.01)1