## efectoriod

## IG5718

IGE2005-FRKG



Vector   Product characteristics     Inductive sensor   Plastic thread M18 x 1     Terminals   Sensing range 5 mm; [f] flush mountable     Electrical data   DC PNP/NPN     Operating voltage   [V]     Protection class   II     Reverse polarity protection   yes     Output function   normally open / closed program     Voltage drop   [V]     Minimum load current   [mA]     Current rating   [mA]     Current rating   [mA]     Overload protection   yes     Switching frequency   [Hz]     Bensing range   [mm]     Sensing range   [mm]     Real sensing range   [mm]     Operating distance   [mo]     Output function   04.05     Accuracy / deviations   +ysteresis     Hysteresis   [% of Sr]   115     Switch-point drift   [% of Sr]   -1010     Environment   [°C]   -2580     Protection   IP 65   EN 60947-5-2     EN 60947-5-2   EN 60947-5-2     EN 5011:   class B	
Inductive sensor       Plastic thread M18 x 1       Terminals       Sensing range 5 mm; [f] flush mountable       Electrical data       Electrical design     DC PNP/NPN       Operating voltage     [V]       Protection class     II       Reverse polarity protection     yes       Outputs     0utput function       Output function     normally open / closed program       Voltage drop     [V]       Output function     e4.6       Minimum load current     [mA]       Leakage current     [mA]       Current rating     [mA]       Overload protection     yes       Switching frequency     [Hz]       Sensing range     [mm]       Sensing range (Sr)     [mm]       Operating distance     [mm]       Operating distance     [mm]       Accuracy / deviations     -       Hysteresis     [% of Sr]     -115       Switchippoint drift     [% of Sr]     -1010       Environment     -     -       Ambient temperature     [°C]	Made in Germany
Plastic thread M18 x 1     Terminals     Sensing range 5 mm; [f] flush mountable     Electrical data     Electrical design   DC PNP/NPN     Operating voltage   [M]     Protection class   II     Reverse polarity protection   yes     Outputs   0utput function     Output function   normally open / closed program     Voltage drop   [V]     Voltage drop   [V]     Output function   normally open / closed program     Voltage drop   [V]     Cutrent   [mA]     Leakage current   [mA]     Current rating   [mA]     Overload protection   pulsed     Overload protection   yes     Switching frequency   [Hz]     Sensing range   [mm]     Sensing range (Sr)   [mm]     Querating distance   [mm]     Accuracy / deviations   Hysteresis     Hysteresis   [% of Sr]   .115     Switch-point drift   [% of Sr]   .1010     Environment   -2580   Protection     Ambient temperatur	
Terminals     Sensing range 5 mm; [f] flush mountable     Electrical data     Electrical design   DC PNP/NPN     Operating voltage   [V]     Protection class   II     Reverse polarity protection   yes     Outputs   Output function     Output function   normally open / closed program     Voltage drop   [V]     Voltage drop   [V]     Voltage drop   [V]     Current rating   [mA]     Current rating   [mA]     Overload protection   yes     Switching frequency   [Hz]     Sensing range   [mm]     Sensing rang	
Sensing range 5 mm; [f] flush mountable       Electrical data       Electrical design       Operating voltage     [V]       Protection class     II       Reverse polarity protection     yes       Outputs     Output function       Output function     normally open / closed program       Voltage drop     [V]       Voltage drop     [V]       Voltage drop     [V]       Current rating     [mA]       Current rating     [mA]       Overload protection     yes       Switching frequency     [Hz]       Sensing range     [mm]       Sensing range     [mm]  <	
Electrical dataElectrical designDC PNP/NPNOperating voltage[V]Protection classIIReverse polarity protectionyesOutputsOutput functionnormally open / closed programVoltage drop[V]< 4.6	
Electrical designDC PNP/NPNOperating voltage[V]Protection classIIReverse polarity protectionyesOutputsOutput functionOutput functionnormally open / closed programVoltage drop[V]< 4.6	
Operating voltage     [V]     1055 DC       Protection class     II       Reverse polarity protection     yes       Outputs	
Protection class   II     Reverse polarity protection   yes     Outputs   normally open / closed program     Output function   normally open / closed program     Voltage drop   [V]     Cutput function   normally open / closed program     Voltage drop   [V]     Cutrent rating   [mA]     Current rating   [mA]     Short-circuit protection   pulsed     Overload protection   yes     Switching frequency   [Hz]     Sensing range   [mm]     Real sensing range (Sr)   [mm]     Operating distance   [mm]     Operating distance   [mm]     Accuracy / deviations   -1010     Hysteresis   [% of Sr]   -1010     Environment   -2580     Protection   IP 65     Tests / approvals   EN 60947-5-2     EMC   EN 60947-5-2     EN 50011:   class B	
Reverse polarity protection     yes       Outputs     normally open / closed program       Output function     normally open / closed program       Voltage drop     [M]       Voltage drop     [M]       Minimum load current     [mA]       Leakage current     [mA]       Current rating     [mA]       Current rating     [mA]       Short-circuit protection     pulsed       Overload protection     yes       Switching frequency     [Hz]       Sensing range     [mm]       Real sensing range (Sr)     [mm]       Operating distance     [mm]       Operating distance     [mm]       Accuracy / deviations     115       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment	
OutputsOutput functionnormally open / closed programVoltage drop[M]Kinimum load current[mA]Leakage current[mA]Current rating[mA]Current rating[mA]Short-circuit protectionpulsedOverload protectionyesSwitching frequency[Hz]Sensing range[mm]Sensing range[mm]Sensing range (Sr)[mm]Operating distance[mm]Accuracy / deviationsHysteresis[% of Sr]Hysteresis[% of Sr]Switch-point drift[% of Sr]ProtectionIP 65Tests / approvalsEMCEN 60947-5-2 EN 55011:Class B	
Output function     normally open / closed program       Voltage drop     [V]     < 4.6	
Voltage drop     [V]     < 4.6	
Minimum load current     [mA]     4       Leakage current     [mA]     <1	nmable
Leakage current     [mA]     < 1	
Current rating     [mA]     400       Short-circuit protection     pulsed       Overload protection     yes       Switching frequency     [Hz]     800       Range      5       Sensing range     [mm]     5       Real sensing range (Sr)     [mm]     5±10 %       Operating distance     [mm]     04.05       Accuracy / deviations     04.05       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment      -2580       Protection     IP 65     IP 65       Tests / approvals     EN 60947-5-2     EN 55011:	
Short-circuit protectionpulsedOverload protectionyesSwitching frequency[Hz]800800Range[mm]Sensing range[mm]Sensing range (Sr)[mm]Operating distance[mm]Operating distance[mm]Operating distance[mm]Operating distance[mm]Operating distance[mm]Operating distance[mm]Operating distance[mm]Operating distance115Switch-point drift[% of Sr]Switch-point drift[% of Sr]Environment-1010ImplementIP 65Tests / approvalsIP 65EMCEN 60947-5-2 EN 55011:Class B	
Overload protection     yes       Switching frequency     [Hz]     800       Range     800     800       Sensing range     [mm]     5       Real sensing range (Sr)     [mm]     5±10%       Operating distance     [mm]     04.05       Accuracy / deviations     04.05       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment     -2580     Protection       Protection     IP 65     Ests / approvals       EMC     EN 60947-5-2 EN 55011:     class B	
Switching frequency     [Hz]     800       Range     Sensing range     [mm]     5       Sensing range     [mm]     5±10 %       Operating distance     [mm]     04.05       Accuracy / deviations     04.05       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment     -2580     Protection       Protection     IP 65     EN 60947-5-2       EMC     EN 60947-5-2     EN 55011:	
Range       Sensing range     [mm]       Real sensing range (Sr)     [mm]       Operating distance     [mm]       Operating distance     [mm]       Operating distance     [mm]       Accuracy / deviations     04.05       Hysteresis     [% of Sr]       Switch-point drift     [% of Sr]       Switch-point drift     [% of Sr]       Protection     -1010       Environment     -2580       Protection     IP 65       Tests / approvals     EN 60947-5-2       EMC     EN 60947-5-2       EN 55011:     class B	
Sensing range     [mm]     5       Real sensing range (Sr)     [mm]     5±10%       Operating distance     [mm]     04.05       Accuracy / deviations     04.05       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment     -2580     IP 65       Tests / approvals     EN 60947-5-2 EN 55011:     Class B	
Real sensing range (Sr) [mm]   5 ± 10 %     Operating distance [mm]   04.05     Accuracy / deviations   115     Hysteresis [% of Sr]   115     Switch-point drift [% of Sr]   -1010     Environment   -2580     Protection   IP 65     Tests / approvals   EN 60947-5-2 EN 55011:	
Operating distance     [mm]     04.05       Accuracy / deviations    15       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment    10    10       Ambient temperature     [°C]     -2580       Protection     IP 65       Tests / approvals     EN 60947-5-2 EN 55011:     class B	
Accuracy / deviations       Hysteresis     [% of Sr]     115       Switch-point drift     [% of Sr]     -1010       Environment     -2580       Protection     IP 65       Tests / approvals     EN 60947-5-2 EN 55011:     class B	
Hysteresis   [% of Sr]   115     Switch-point drift   [% of Sr]   -1010     Environment   -1010     Ambient temperature   [°C]   -2580     Protection   IP 65     Tests / approvals   EN 60947-5-2     EMC   EN 60947-5-2     EN 55011:   class B	
Switch-point drift     [% of Sr]     -1010       Environment     -2580       Ambient temperature     [°C]     -2580       Protection     IP 65       Tests / approvals     EN 60947-5-2       EMC     EN 60947-5-2       EN 55011:     class B	
EnvironmentAmbient temperature[°C]ProtectionIP 65Tests / approvalsEMCEN 60947-5-2 EN 55011:class B	
Ambient temperature[°C]-2580ProtectionIP 65Tests / approvalsEN 60947-5-2 EN 55011:class B	
ProtectionIP 65Tests / approvalsEN 60947-5-2 EN 55011:class B	
Tests / approvals     EMC   EN 60947-5-2     EN 55011:   class B	
EMC EN 60947-5-2 EN 55011: class B	
MTTF [Years] 1699	
Mechanical data	
Mounting flush mountable	

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IGE2005-FRKG



Housing materials		PBT; end cap: polycarbonate	
Weight	[kg]	0.046	
Displays / operating elements			
Output status indication	LED	yellow	
Electrical connection			
Connection		terminals up to 2.5 mm <sup>2</sup> ; cable diameter 4.510 mm, cable gland M16 x 1.5	
Wiring			
Accessories			
Accessories (included)		2 lock nuts	
Remarks			
Pack quantity	[piece]	1	

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