

Technical details order no. G1000001-G1000002

General	G1000001	G1000002
Approvals	CE, UL/cUL	CE, UL/cUL
Self-monitored	No	No
Lamp		
Kind	LED	LED
Colour	white	white
Electrical data	G1000001	G1000002
Supply voltage		
Voltage	24 V	24 V
Kind	DC	DC
Voltage tolerance	-20 %/+20 %	-20 %/+20 %
Output of external power supply (DC)	12 W	12 W
Duty cycle	100 %	100 %
Min. contact current	1 mA	1 mA
E-STOP	G1000001	G1000002
Quantity	1	1
Number of N/C contacts	2	2
Number of signal contacts	–	1
E-STOP release type	Turn release	Turn release
Utilisation category		
In accordance with the standard	EN 60947-5-1	EN 60947-5-1
DC13 at	24 V	24 V
Current	0,1 A	0,1 A
Contact material	Ag	Ag
Contact material signal contact	–	Au
Mechanical life	6050 cycles	6050 cycles
Signal output		
Output voltage	–	24 V
Max. current	–	0,1 A
Pushbutton	G1000001	G1000002
Quantity	3	2
Number of N/O contacts	3	2
Utilisation category		
In accordance with the standard	EN 60947-5-1	EN 60947-5-1
DC13 at	24 V	24 V
Max. current	0,1 A	0,1 A
Mechanical life	1.000.000 cycles	1.000.000 cycles
Contact material	Ag	Ag
Environmental data	G1000001	G1000002
Ambient temperature		
Temperature range	-20 - 60 °C	-20 - 60 °C

Environmental data	G1000001	G1000002
Storage temperature		
Temperature range	-25 - 70 °C	-25 - 70 °C
Climatic suitability		
In accordance with the standard	EN 60068-2-78	EN 60068-2-78
Humidity	93 % r. h. at 40 °C	93 % r. h. at 40 °C
Vibration		
In accordance with the standard	EN 60947-5-2	EN 60947-5-2
Frequency	10 - 55 Hz	10 - 55 Hz
Amplitude	1 mm	1 mm
Shock stress		
In accordance with the standard	EN 60947-5-2	EN 60947-5-2
Acceleration	30g	30g
Duration	11 ms	11 ms
Airgap creepage		
In accordance with the standard	EN 60947-1	EN 60947-1
Overvoltage category	III	III
Pollution degree	3	3
Protection type		
Housing	IP65	IP65
Mechanical data	G1000001	G1000002
Mounting position	Any	Any
Connection type	M12, 12-pin male connector	M12, 12-pin male connector
Material		
Housing	Zn	Zn
Fixing screws torque settings	4 Nm	4 Nm
Torque setting terminating plate	1,8 Nm	1,8 Nm
Torque setting circuit board	1,8 Nm	1,8 Nm
Torque setting control element	1,2 Nm	1,2 Nm
Dimensions		
Height	293 mm	293 mm
Width	40 mm	40 mm
Depth	40 mm	40 mm
Weight	800 g	800 g

Technical details order no. G1000003-G1000004

General	G1000003	G1000004
Approvals	CE, UL/cUL	CE, UL/cUL
Self-monitored	No	No
Lamp		
Kind	LED	LED
Colour	white	white

Electrical data	G1000003	G1000004
Supply voltage		
Voltage	24 V	24 V
Kind	DC	DC
Voltage tolerance	-20 %/+20 %	-20 %/+20 %
Output of external power supply (DC)	12 W	12 W
Duty cycle	100 %	100 %
Min. contact current	1 mA	1 mA
E-STOP	G1000003	G1000004
Quantity	1	1
Number of N/C contacts	2	2
Number of signal contacts	1	–
E-STOP release type	Turn release	Turn release
Utilisation category		
In accordance with the standard	EN 60947-5-1	EN 60947-5-1
DC13 at	24 V	24 V
Current	0,1 A	0,1 A
Contact material	Ag	Ag
Contact material signal contact	Au	–
Mechanical life	6050 cycles	6050 cycles
Signal output		
Output voltage	24 V	–
Max. current	0,1 A	–
Pushbutton	G1000003	G1000004
Quantity	2	2
Number of N/O contacts	2	2
Utilisation category		
In accordance with the standard	EN 60947-5-1	EN 60947-5-1
DC13 at	24 V	24 V
Max. current	0,1 A	0,1 A
Mechanical life	1.000.000 cycles	1.000.000 cycles
Contact material	Ag	Ag
Key switch	G1000003	G1000004
Quantity	1	–
Number of N/O contacts	1	–
Utilisation category		
In accordance with the standard	EN 60947-5-1	–
DC13 at	24 V	–
Max. current	0,1 A	–
Mechanical life	30.000 cycles	–
Service life mechanical, key not removed	300.000 cycles	–
Contact material	Ag	–

Key switch	G1000003	G1000004
Quantity	–	1
Number of N/O contacts	–	2
Utilisation category		
In accordance with the standard	–	EN 60947-5-1
DC13 at	–	24 V
Max. current	–	0,1 A
Mechanical life	–	30.000 cycles
Service life mechanical, key not removed	–	300.000 cycles
Contact material	–	Ag
Environmental data	G1000003	G1000004
Ambient temperature		
Temperature range	-20 - 60 °C	-20 - 60 °C
Storage temperature		
Temperature range	-25 - 70 °C	-25 - 70 °C
Climatic suitability		
In accordance with the standard	EN 60068-2-78	EN 60068-2-78
Humidity	93 % r. h. at 40 °C	93 % r. h. at 40 °C
Vibration		
In accordance with the standard	EN 60947-5-2	EN 60947-5-2
Frequency	10 - 55 Hz	10 - 55 Hz
Amplitude	1 mm	1 mm
Shock stress		
In accordance with the standard	EN 60947-5-2	EN 60947-5-2
Acceleration	30g	30g
Duration	11 ms	11 ms
Airgap creepage		
In accordance with the standard	EN 60947-1	EN 60947-1
Overvoltage category	III	III
Pollution degree	3	3
Protection type		
Housing	IP65	IP65
Mechanical data	G1000003	G1000004
Mounting position	Any	Any
Connection type	M12, 12-pin male connector	M12, 12-pin male connector
Material		
Housing	Zn	Zn
Fixing screws torque settings	4 Nm	4 Nm
Torque setting terminating plate	1,8 Nm	1,8 Nm
Torque setting circuit board	1,8 Nm	1,8 Nm
Torque setting control element	1,2 Nm	1,2 Nm
Dimensions		
Height	293 mm	293 mm
Width	40 mm	40 mm
Depth	40 mm	40 mm

Mechanical data	G1000003	G1000004
Weight	800 g	800 g

Safety characteristic data



NOTICE

You must comply with the safety characteristic data in order to achieve the required safety level for your plant/machine.

Safety characteristic data	
B10d in accordance with EN ISO 13849-1:2015 and EN 62061	130.000

Order reference

Product

Product type	Features		Order no.
PIT gb LLE	Housing with three illuminated push-buttons, one E-STOP and coloured caps	M12, 12-pin male connector	G1 000 001
PIT gb CLLE y	Housing with blind plug, two illuminated pushbuttons, one E-STOP with signal contact and coloured caps	M12, 12-pin male connector	G1 000 002
PIT gb BLLE y	Housing with key-operated pushbutton, two illuminated pushbuttons, one E-STOP with signal contact and coloured caps	M12, 12-pin male connector	G1 000 003
PIT gb KLE	Housing with key switch, two illuminated pushbuttons, one E-STOP and coloured caps	M12, 12-pin male connector	G1 000 004

Spare part

Product type	Features	Order no.
PIT gb es1	E-STOP without signal contact	G1 000 005
PIT gb es2	E-STOP with signal contact	G1 000 011
PIT gb push button	Pushbutton, illuminated	G1 000 006
PIT gb key button	Key-operated pushbutton	G1 000 007
PIT gb key switch	Key switch with 2 locked positions	G1 000 008
PIT gb blind cover	Blind plug	G1 000 010