

TECHNICAL FEATURES - SENSITIVE EDGES

Sensor	Type B1NC - Type B1NC-AG			Type B2C - Type B2C-AG		
Max operating angle α	90°					
Pre-run (test piece \varnothing 80 - 100 mm/sec) [mm]	5.05			5.40		
Overrun (test pieces \varnothing 80 - 10 mm/sec)	15.64 mm at 250N 17.94 mm at 400N 20.24 mm at 600 N			3.28 mm at 250N 4.18 mm at 400N 6.88 mm at 600N		
Max operating force (test piece \varnothing 80 - 100 mm/sec)	146 N (-15°C)			84 N (-15°C)		
Max response time with Gamma System control units [ms]	50			54		
Material	TPE (black colour)					
Length*	Mounted version, max 6 m or 25 m-long roll					
Max length of sensor [m]	25 (can be controlled via control unit)					
Weight [kg/m]	0.6			0.4		
Mounting orientation	All					
Fastening material	Aluminium profile standard Length = 6 m					
Dimensions of non-sensitive surface	40 mm from each end					
Operating temperature	+5°C to +55°C					
Storage temperature	+5°C to +55°C					
Chemical resistance	See User Manual					
Max applicable thrust [N]	500					
Degree of protection (EN 60529)	IP65					
Power cord**	2x0.35 mm ²					
Output contact	N.O.					
Max. length of connection cables [m]	100					
Rated supply voltage	24 Vdc					
Max contact voltage [V]	30					
Max contact current [mA]	30					
B _{10D} sensor	192000					
T _{10D} [years] Control unit	> 20					
Part of human body which can be detected***	Hand, limb, body					
Reference standard	EN ISO 13856-2:2013; EN ISO 13849-1; EN 12978:2009					
Safety Parameters: Sensor + Control Unit	Sensor + GP02R	Sensor + GP02R-C	Sensor + GP04R	Sensor + GP02R	Sensor + GP02R-C	Sensor + GP04R
Category	3					
PL	d					
PFHD [1/h]	8.58*10 ⁻⁸		9.29*10 ⁻⁸	8.58*10 ⁻⁸		9.29*10 ⁻⁸
No. of operations/year****	9000					
Usage categories	AC15 (230) 4A	AC15 (230) / DC13 (24) 3A	DC13 0.4A	AC15 (230) 4A	AC15 (230) / DC13 (24) 3A	DC13 0.4A
EC Declaration	16CMAC0044			16CMAC0045		
Other European Directives						
2012/19/UE	RAEE					
2011/65/UE	ROHS					
Regulation (EC) n°1907/2006	REACH					

* The maximum length for the edge assembled is 6000 mm. For longer lengths they can be split into more parts and then connecting the sensors in series between them.

** For length over 20 meters, use wires with section of 1 mm²

*** Not suitable to detect fingers.

**** Considered the maximum number of operations.

TECHNICAL FEATURES - SENSITIVE EDGES

Sensor	Type B0C		Type B0C-AG
Max operating angle α	90°		
Pre-run (test piece \varnothing 80 - 100 mm/sec) [mm]	1.9		
Overrun (test piece \varnothing 80, 10 mm/sec)	3 mm at 250 N 3.3 mm at 400 N 4.3 mm at 600 N		
Max operating force (test piece \varnothing 80, 10 mm/sec) [N]	140		
Response time with Gamma System control units [ms]	< 54		
Material	TPE (black colour)		
Length*	Roll of 100 m	Mounted version, max 6 m or roll of 100 m	
Max length of sensor [m]	25 (can be controlled via control unit)		
Weight [kg/m]	0.08	0.12	
Fastening Material	NA	Aluminium profile - standard L = 6 m	
Dimensions of non-sensitive surface	2 mm from each end		
Operating temperature	+5°C to +55°C		
Storage temperature	+5°C to +55°C		
Chemical resistance	<i>See User Manual</i>		
Max applicable thrust [N]	500		
Degree of protection (EN 60529)	IP65		
B _{10D} sensor	200000		
T _{10D} [years] Control unit	20		
Power cord**	2x0.25 mm ²		
Output contact	N.O.		
Max length of connection cables [m]	100		
Rated supply voltage	24 Vdc		
Part of human body which can be detected ***	Hand, limb, body		
Reference standard	EN ISO 13856-2:2013; EN ISO 13849-1; EN ISO 12978:2003+A1:2009		
Safety Parameters: Sensor + Control Unit	Sensor + GP02R	Sensor + GP02R-C	Sensor + GP04R
Category	3		
PL	d		
PFH _d [1/h]	8.58*10 ⁻⁸	9.29*10 ⁻⁸	
No. of operations/year ****	10000		
Usage categories	DC13 1 A	AC15 (230)/DC13 (24) 3A	DC13 0,4A
Response time with control unit (test piece \varnothing 80, a 100 mm/s, T20°C) [ms]	23		
EC Declaration	20CMAC0015		
Other European Directives			
2012/19/UE	RAEE		
2011/65/UE	ROHS		
Regulation (CE) n°1907/2006	REACH		

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