

Technical information

General features

Activation speed		mm/s	1...1500		
Frequency of operation		operations/min.	30		
Insulation		500 V DC MΩ	100		
Insulation strength		50/60 Hz for 1' * V AC	2500		
Rated insulation voltage	Ui	IEC947-5-1	V AC	500	
Rated thermal current	Ithe	IEC947-5-1	A	10	
Rated operating current		IEC947-5-1/EN60947-5-1			
	Category AC15	le	24 V	A	6
	A300		125 V	A	5
			230 V	A	3
			400 V	A	1,8
			500 V	A	1,4
	Category DC13	le	24 V	A	3
	Q300		48 V	A	1,5
			120 V	A	0,55
			250 V	A	0,27
Contact resistance (without cable)	IEC255-7 cat.3	initial value	mΩ	25	
Protection against short circuit	IEC269 (IEC947-5-1)	gl or gG type fuse	A	6	
Conditional short circuit current	IEC947-5-1		A	100	
Pollution level	IEC947-5-1			3	
Protection level	EN 60529		IP	67	
Protection against voltage peaks		plastic	class	II	
		Metal	class	I	
Resistance to vibrations	IEC68-2-6		mm	0,35 ± 15% (10 to 55 Hz ± 1 Hz)	
Resistance to shock	IEC68-2-27	11 ms	g	30	
Mechanical duration			cycles	10.000.000	
Electrical duration	at 250 V AC 3A with resistant load cosβ=1		min cycles	500.000	
	at 250 V AC 3A with resistant load cosβ=0,4		min cycles	500.000	
Distance between contacts	fast action models		mm	2x2	
	slow action models		mm	2x1,25	
Cable	Standard series cable	model/section	mm ²	V4 o 5F - 4 o 5X0,75 (19 AWG)	
		colours		brown-blue(NO);black-black(NC);yellow-green(GND)	
		sheath colour		RAL 7035 grey	
		length **	m	2	
		translation speed	m/mim	60	
		operating temperature	°C	-10 to +80	
		operating voltage	V	300/500	
	PVC – UL/CSA cable	model/section	mm ²	4 o 5X0,75 (19 AWG)	
		colours		brown-blue(NO);black-black(NC);yellow-green(GND)	
		sheath colour		RAL 7001 grey	
		length **	m	2	
		translation speed	m/mim	60	
		operating temperature	°C	-10 to +80	
		operating voltage	V	300/500	
	PUR – UL/CSA cable	model/section	mm ²	4 o 5X0,75 mmq	
		colours		brown-blue(NO);black-black(NC);yellow-green(GND)	
		sheath colour		black	
		length **	m	2	
		translation speed	m/mim	180	
		operating temperature	°C	-10 to +80	
		operating voltage	V	600	
Connector	Model			4 pole M12x1 brass male	
	Model			4 pole AMP superseal 1.5 male	

Conditions of use

Ambient operating temperature	°C	-35 to +85 (without formation of ice)
Relative operating humidity		95% max

* between terminals of the same polarity; between terminals of different polarity; between live mechanical parts and mass; between live mechanical parts and unpowered mechanical parts

** on request, cable length greater than 2 m

All cables resistant to flame and coolant oils. CEI 20-22 cable does not spread fire.

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Steel pushbutton

Code	Model	Description	Type	Travel diagram	Weight
ER813000	E600 0 AM	1NO+1NC Fast action	0:		0,330
ER813200	E600 1 AM	1NO+1NC Slow action	1:		0,330

Steel pushbutton with rubber blower

Code	Model	Description	Type	Travel diagram	Weight
ER813010	E600 0 ASM	1NO+1NC Fast action	0:		0,335

Pushbutton with steel roller

Code	Model	Description	Type	Travel diagram	Weight
ER813020	E600 0 BM	1NO+1NC Fast action	0:		0,340
ER813220	E600 1 BM	1NO+1NC Slow action	1:		0,340

Pushbutton with steel roller, drive 90°

Code	Model	Description	Type	Travel diagram	Weight
ER813030	E600 0 BM/90°	1NO+1NC Fast action	0:		0,340

Lever with plastic roller

Code	Model	Description	Type	Travel diagram	Weight
ER813080	E600 0 EM	1NO+1NC Fast action	0:		0,380
ER813280	E600 1 EM	1NO+1NC Slow action	1:		0,380

Other contact configurations and operating heads available
Call CARLO GAVAZZI for details

- Dimensions page **A39**
- Technical information page **A8**
- Operating features page **A10**
- Approval and certification page **D8**



Steel pushbutton

Code	Model	Description	Type	Travel diagram	Weight
ER813040	E600 0 ALM	1NO+1NC Fast action			0,345



Pushbutton with steel roller

Code	Model	Description	Type	Travel diagram	Weight
ER813060	E600 0 BLM	1NO+1NC Fast action			0,335



Pushbutton with steel roller, drive 90°

Code	Model	Description	Type	Travel diagram	Weight
ER813070	E600 1 BLM/90°	1NO+1NC Fast action			0,355



Steel pushbutton

Code	Model	Description	Type	Connector	Travel diagram	Weight
ER814600	E600 0 AM/12	1NO+1NC Fast action				0,150
ER814700	E600 1 AM/12	1NO+1NC Slow action				0,150



Pushbutton with steel roller

Code	Model	Description	Type	Connector	Travel diagram	Weight
ER814620	E600 0 BM/12	1NO+1NC Fast action				0,160
ER814720	E600 1 BM/12	1NO+1NC Slow action				0,160

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Metal – 4 pole/M12x1 connector

Pushbutton with steel roller, drive 90°

Code	Model	Description	Type	Connector	Travel diagram	Weight
ER814670	E600 0 BLM/90°/12 1NO+1NC	Fast action	0	Zb		0,215
ER814770	E600 1 BLM/90°/12 1NO+1NC	Slow action	1	Zb		0,215

Steel pushbutton

Code	Model	Description	Type	Connector	Travel diagram	Weight
ER814640	E600 0 ALM/12	1NO+1NC Fast action	0	Zb		0,205
ER814740	E600 1 ALM/12	1NO+1NC Slow action	1	Zb		0,205

Pushbutton with steel roller

Code	Model	Description	Type	Connector	Travel diagram	Weight
ER814660	E600 0 BLM/12	1NO+1NC Fast action	0	Zb		0,195
ER814760	E600 1 BLM/12	1NO+1NC Slow action	1	Zb		0,195

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Metal

Series	Side view	Front view	Series	Side view	Front view
E600... AM			E600... ALM		
E600... ASM			E600... ASLM		
E600... BM			E600... BLM		
E600... BM / 90°			E600... BLM / 90°		
E600... EM			E600...M/12		

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