

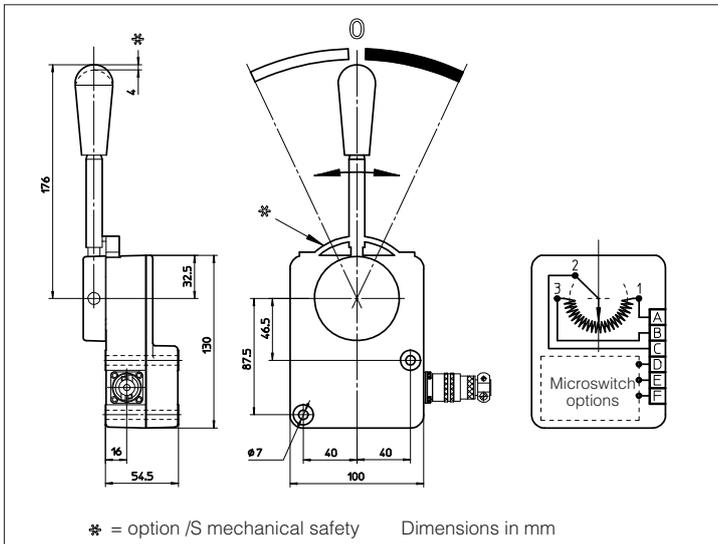
# Electronic accessories

## 1 CONTROL LEVERS TYPE E-TLP

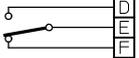
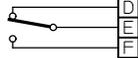
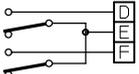
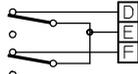
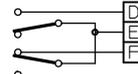
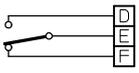
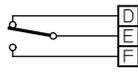
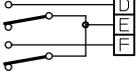
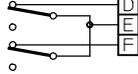
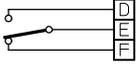
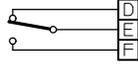
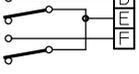
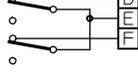
The control levers type E-TLP are compact units in a sealed case with a high accuracy potentiometer actuated by a lever and electrically connected to the outside through a standard sealed connector. They are available with mechanical and/or electrical safety, further with microswitches for possible contacts or auxiliary safety.

<b>E-TLP</b>	-	<b>2</b>	-	*	/	-	/	**
control levers								Design number
potentiometer resistance: <b>2</b> = 2 KΩ								
lever position and control features: <b>0</b> = free lever without centering springs <b>1</b> = lever with center return by means of springs (range ± 30°) <b>2</b> = lever with return in external position by means of a spring (range 0 to 60°) <b>3</b> = lever with center return by means of a spring (range 0 to 30°)								Options: - = basic version S = mechanical safety C = with one microswitch 2C = with two microswitches

### 1.1 Technical characteristics of control levers type E-TLP

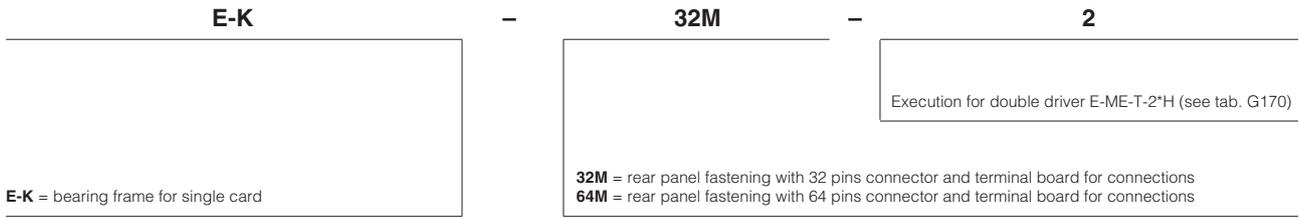


CONTACTS CHARACTERISTICS				
Voltage (V)	125 AC	250 AC	30 DC	115 DC
Max current with resistive load (A)	5	3	5	0,4
Max current with inductive load (A) (φ = 0,4)	3	2	3	0,05
Electric life	≥ 1.000.000 cycles			
Mechanical life	≥ 10.000.000 cycles			
Insulation resistance	100 MΩ			
Contact resistance	~ 15 MΩ			
Protection degree (CEI EN-60529)	IP 54			

LEVER			LEVER POSITION		
TYPE	mechanical angle	electric angle	0		
E-TLP-2-0/C E-TLP-2-1/C	0±30°	0±15°			
E-TLP-2-0/2C E-TLP-2-1/2C	0±30°	0±15°			
E-TLP-2-2/C	60°	230°			
E-TLP-2-2/2C	60°	230°			
E-TLP-2-3/C	30°	115°			
E-TLP-2-3/2C	30°	115°			

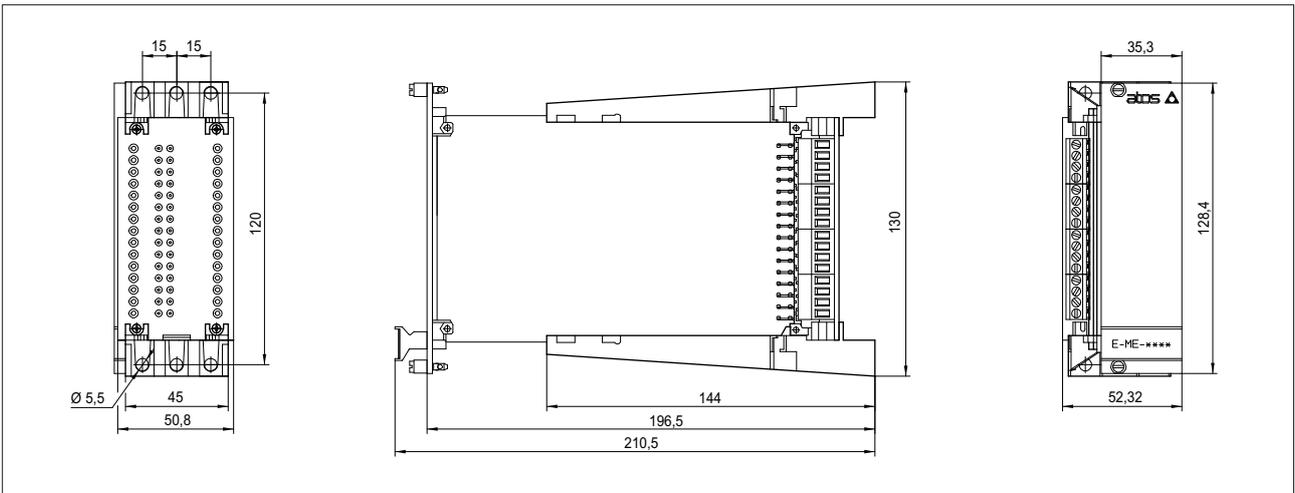
## 2 MECHANICAL BEARING FRAMES FOR ELECTRONIC CARDS IN EUROCARD FORMAT

Mechanical bearing frames for rear mounting are available for electronic cards in Eurocard format (100x160) or double Europe format (233,4x160). These frames allow an easy mounting and connections of single cards in Eurocard format; they are realized in anti-flame material (VDE 0209) and they have a 32 or 64 pins connector (DIN 41612 form D) with gold-plated contacts and terminal board for connections; a device for card locking is also fitted-in.



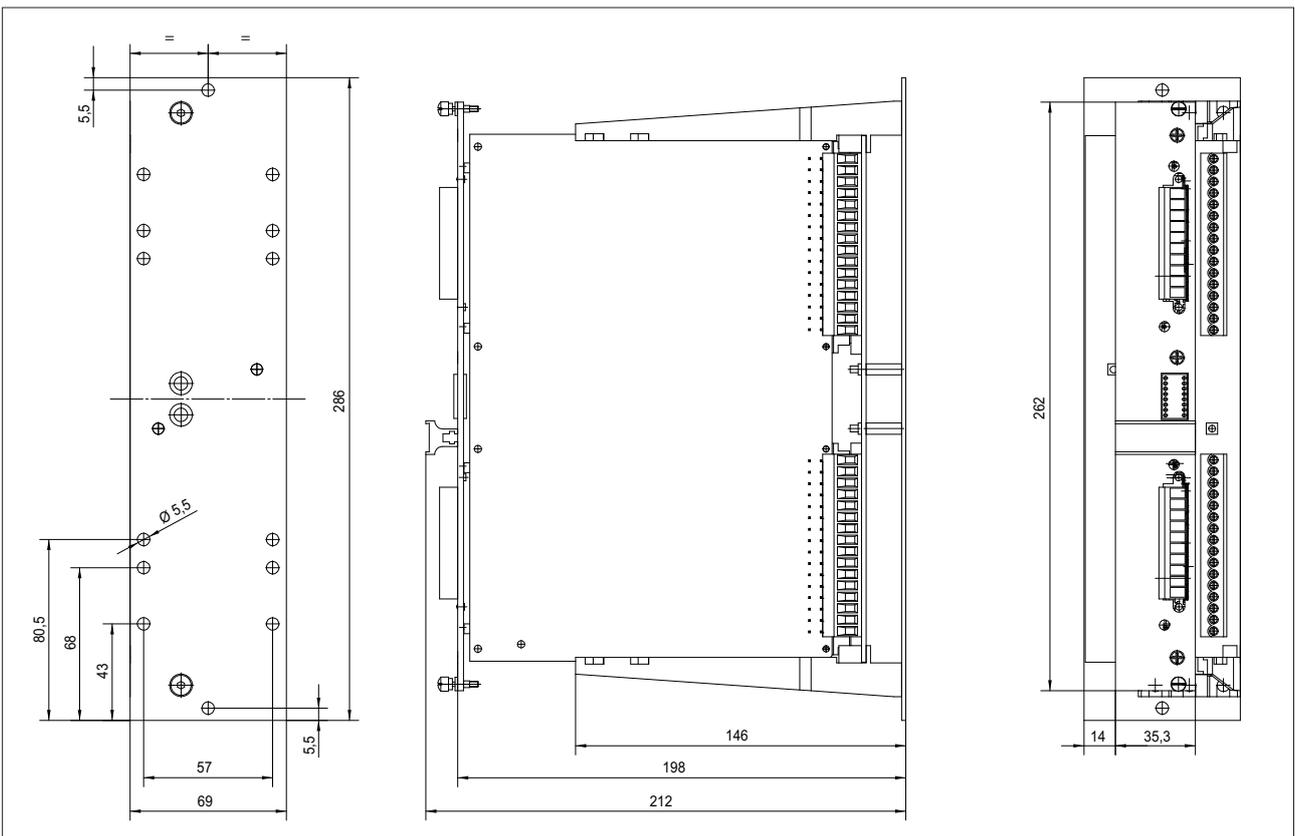
### 2.1 Mechanical bearing frame type E-K-32M

For mounting the card insert and push it to the end; for pulling out the card keep lift the light brown lock.  
 Available for drivers: **E-ME-AC**, **E-ME-T**, **E-ME-L**



### 2.2 Mechanical bearing frame type E-K-32M-2

For mounting the card insert and push it to the end; for pulling out the card keep lift the light brown lock.  
 Available for driver: **E-ME-T-2\*H**



### 2.3 Mechanical bearing frame type E-K-64M

For mounting the card insert and push it to the end; for pulling out the card push down both yellow actuating buttons.

Available for controller: **Z-ME-KZ**

