EMPC-SWM

Handles with monostable switch

Self-extinguishing technopolymer

MATERIAL
- **Handle body**: glass-fibre reinforced polyamide based (PA) technopolymer certified self-extinguishing UL-94 V0, black colour, matte finish.
- **Cover**: UL-94 V0 self-extinguishing polycarbonate, black colour. Included in the supply, for press-fitting, removable with screwdriver.
- **Button**: polyamide-based (PA) technopolymer, black colour.

MICROSWITCH WITH BUTTON
The device consists of a changeover contact comprising a normally open (NO) contact and a normally closed (NC) contact, or a normally open (NO) contact. Switching takes place by pressing the black button (monostable contact).

STANDARD EXECUTIONS
Pass-through holes for front or rear mounting via cylindrical-head screws with hexagon socket, hexagonal-head screws or nuts, which can be purchased.
6-pin cable: UL Style 2587 6xAWG22 PVC RAL9005, rear exit.
- **EMPC-SWM-1NC+1NO-F2.5**: 1 NC contact + 1 NO contact, cable length 2.5 m.
- **EMPC-SWM-1NC+1NO-F5**: 1 NC contact + 1 NO contact, cable length 5 m.
- **EMPC-SWM-1NO-F2.5:** 1 NO contact, cable length 2.5 m.
- **EMPC-SWM-1NO-F5:** 1 NO contact, cable length 5 m.

FEATURES AND APPLICATIONS
The EMPC-SWM (Elesa patent) handle integrates the functions of a handle and an electrical switch into a single product. These handles are typically assembled on machine doors or protections. By pressing the button, the operator can use external logic to request access, for example, to the protected zone, or to restart the machinery following an interruption. Protection rating IP40.

TECHNICAL DATA
Tensile stress and impact strength: the values F1, F2, L1 and L2 indicated in the table were obtained during breaking tests carried out under the test conditions shown in the figure with ambient temperature.

EU DECLARATION OF CONFORMITY
The object of the declaration described above is in conformity with the relevant European Union harmonisation legislation:
- **2014/35/EU** Low Voltage Directive
- **2014/30/EU (EMC)** Electromagnetic Compatibility Directive
- **2011/65/EU (RoHS)** Restriction of the use of certain hazardous substances in electrical and electronic equipment

Harmonised standards and references to other technical specifications used in relation to which conformity is declared: **EN 60947-5-1:2017**

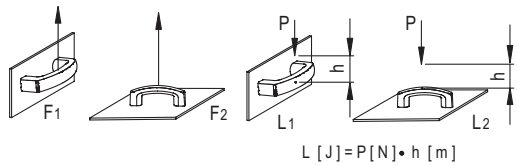
ASSEMBLY INSTRUCTIONS
After having fixed the handle, insert the guides into the special grooves in the handle, applying enough pressure until fitting is complete. Apply final pressure to ensure the cover is fully secured. Finally, insert and tighten the supplied self-tapping screw into the designated side mounting point.

SPECIAL EXECUTIONS ON REQUEST
- Cover or button in various colours.
- Various cable lengths.

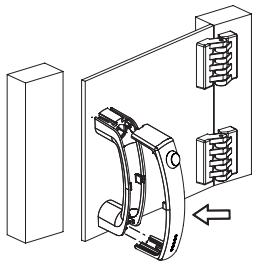
OTHER STANDARD EXECUTIONS
- EMPC.: single complementary handle without switch.
- EMP-LD: handles with LED indicator light.
- EMP-SWM-LD: handles with monostable switch and LED indicator light.

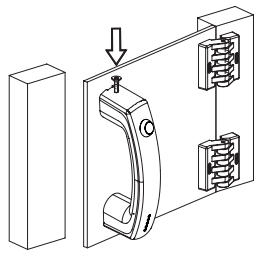


ERGOSTYLE® ELESA Original design



L [J] = P [N] • h [m]





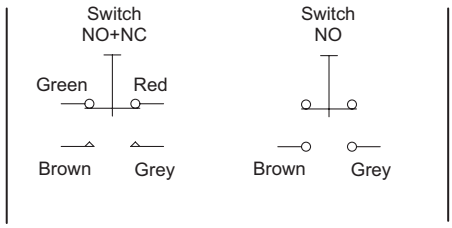
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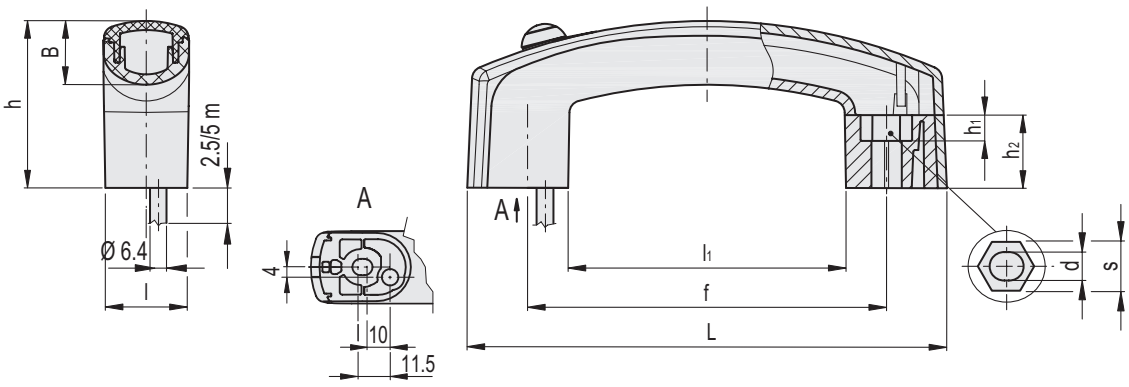
EMPC-SWM

Handles with monostable switch

NO NC Electrical Features			
Load	Voltage	Current	Max Cycles
Resistive	28 Vdc	4 A	25000
Resistive	115 Vac, 60 Hz	1 A	25000
Inductive	28 Vdc	2 A	25000
DWV	1050 Vrms	-	-
Logic level	5 Vdc	10 mA	1×10^6

NO Electrical Features			
Load	Voltage	Current	Max Cycles
Resistive	28 Vdc	5 A	25000
Resistive	115 Vac, 60 Hz	3 A	25000
Inductive	28 Vdc	2 A	25000
DWV	1050 Vrms	-	-
Logic level	5 Vdc	10 mA	1×10^6





EMPC-SWM-1NC+1NO-F2.5

Code	Description	L	f	d	s	h	h_1	h_2	l	B	l_1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
261035-C1	EMPC.160-SWM-1NO+1NC-F2.5-C1	160	117÷120	6.5	10	56.5	6.5	25	28	22	89.5	1000	2000	3	20	244

EMPC-SWM-1NC+1NO-F5

Code	Description	L	f	d	s	h	h_1	h_2	l	B	l_1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
261036-C1	EMPC.160-SWM-1NO+1NC-F5-C1	160	117÷120	6.5	10	56.5	6.5	25	28	22	89.5	1000	2000	3	20	383

EMPC-SWM-1NO-F2.5

Code	Description	L	f	d	s	h	h_1	h_2	l	B	l_1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
261031-C1	EMPC.160-SWM-1NO-F2.5-C1	160	117÷120	6.5	10	56.5	6.5	25	28	22	89.5	1000	2000	3	20	244

EMPC-SWM-1NO-F5

Code	Description	L	f	d	s	h	h_1	h_2	l	B	l_1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
261032-C1	EMPC.160-SWM-1NO-F5-C1	160	117÷120	6.5	10	56.5	6.5	25	28	22	89.5	1000	2000	3	20	383

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