Handle with monostable electrical switch

Self-extinguishing technopolymer

RoHS IP65 PA +80° -20°

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer certified self-extinguishing UL-94 V0, black colour.

MONOSTABLE ELECTRICAL SWITCH WITH BUTTON

The device is made up of a normally open contact (NO) and a normally closed contact (NC).
Switching takes place by pressing the blue button (monostable contact).

LED

A red Led and a green Led can be configured through external logic to indicate the switch status.
Voltage range 24 Vdc ± 15%

SCREW-COVERS

Technopolymer, grey-black colour, matte finish. Supplied assembled, removable by a screwdriver.

IP PROTECTION

IP 65 protection class, according to EN 60529 (see page A-19).

STANDARD EXECUTIONS

Pass-through holes for cylindrical-head screws with hexagon socket.
- **EBR-SWM-B-C**: zinc-plated connector with 8 poles, back output.
- **EBR-SWM-L-C**: zinc-plated steel connector with 8 poles, left side output.
- **EBR-SWM-R-C**: zinc-plated connector with 8 poles, right side output.

8 pole cable UL: AWG22 RAL9005 PVC UL AWM Style 1569/2517.
- **EBR-SWM-B-F2.5**: 8 pole cable, length 2.5 metres, back output.
- **EBR-SWM-B-F5**: 8 pole cable, length 5 metres, back output.
- **EBR-SWM-L-F2.5**: 8 pole cable, length 2.5 metres, left side output.
- **EBR-SWM-L-F5**: 8 pole cable, length 5 metres, left side output.
- **EBR-SWM-R-F2.5**: 8 pole cable, length 2.5 metres, right side output.
- **EBR-SWM-R-F5**: 8 pole cable, length 5 metres, right side output.

FEATURES AND APPLICATIONS

These handles are typically assembled on machine doors or protections.
Through external logic, the Leds can be configured to indicate the specific status of the button. Example: With the machine working, the red light is turned on and the green light is off. By pressing the button, the operator requests access to the protected area: in this case the green light will turn on, while the red one will be off.
The mechanical life of the button is 1 x 106 cycles.
The product has been manufactured in compliance with the EN60947-1:2007: +A1:2021+A2:2014 EN 60947-5-1:2017 standards and the CE marking is visible on one side of the handle.
In case of use of an extension with angled connector, the direction of the cable output is shown in the Fig.1.
EBR-SWM handle can be assembled with EBR neutral handle.

TECHNICAL DATA

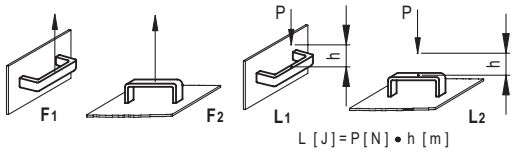
Tensile stress and impact strength: F1, F2, L1 and L2 values reported in the table are the result of breaking tests carried out with the appropriate dynamometric equipment under the test conditions shown in the figure with ambient temperature.

ACCESSORIES ON REQUEST

FC-M12x1 (see page 976): extensions with 8 pole M12 female axial connector.

OTHER STANDARD EXECUTIONS

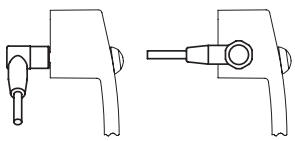
- EBR. (see page .): single complementary handle without switch.
- EBR-SWB (see page 1215): handle with bistable electrical switch.





ERGOSTYLE® ELESA Original design

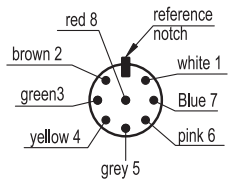
Fig.1

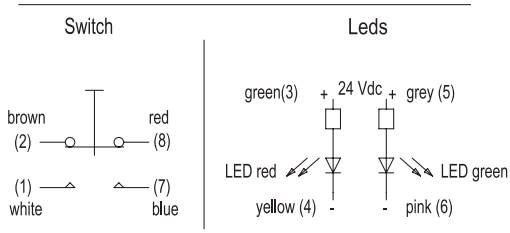


CE

In compliance with:
EN 60947-1:2007 + A1:2011 + A2:2014
EN 60947-5-1 : 2017

Contact wiring cable





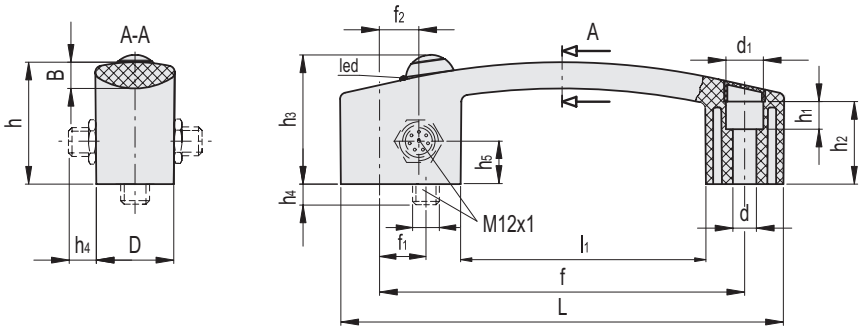
Electrical Features			
Load	Voltage	Current	Max Cycles
Resistive	28 Vdc	4 A	25000
Resistive	115 Vac, 60 Hz	1 A	25000
Inductive	28 Vdc	2 A	25000
DWV	1050 Vrms	-	-
Logic level	5 Vdc	10 mA	1 x 106
Short circuit conditioned current: 1000 A			

*For the connector version the maximum allowed voltage is 24 V and the maximum allowed current is 2A.

7/2026

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EBR-SWM-C



EBR-SWM-B-C

Code	Description	L	f	d	d1	f1	D	h	h1	h2	h3	h4	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260541-C1	EBR.150-SWM-B-C	160	132±0.5	8.5	13.5	16	28	44	10	30	47	11	8.5	89	2800	2900	35	8	109

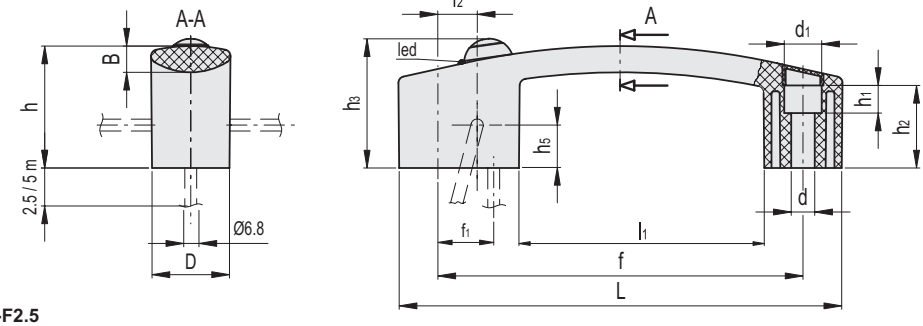
EBR-SWM-L-C

Code	Description	L	f	d	d1	f2	D	h	h1	h2	h3	h4	h5	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260551-C1	EBR.150-SWM-L-C	160	132±0.5	8.5	13.5	14.5	28	44	10	30	47	16	14	8.5	89	2800	2900	35	8	109

EBR-SWM-R-C

Code	Description	L	f	d	d1	f2	D	h	h1	h2	h3	h4	h5	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260561-C1	EBR.150-SWM-R-C	160	132±0.5	8.5	13.5	14.5	28	44	10	30	47	16	14	8.5	89	2800	2900	35	8	111

EBR-SWM-F



EBR-SWM-B-F2.5

Code	Description	L	f	d	d1	f1	D	h	h1	h2	h3	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260546-C1	EBR.150-SWM-B-F2,5	160	132±0.5	8.5	13.5	16	28	44	10	30	47	8.5	89	2800	2900	35	8	230

EBR-SWM-B-F5

Code	Description	L	f	d	d1	f1	D	h	h1	h2	h3	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260542-C1	EBR.150-SWM-B-F5	160	132±0.5	8.5	13.5	16	28	44	10	30	47	8.5	89	2800	2900	35	8	444

EBR-SWM-L-F2.5

Code	Description	L	f	d	d1	f2	D	h	h1	h2	h3	h5	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260556-C1	EBR.150-SWM-L-F2,5	160	132±0.5	8.5	13.5	14.5	28	44	10	30	47	14	8.5	89	2800	2900	35	8	232

EBR-SWM-L-F5

Code	Description	L	f	d	d1	f2	D	h	h1	h2	h3	h5	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260552-C1	EBR.150-SWM-L-F5	160	132±0.5	8.5	13.5	14.5	28	44	10	30	47	14	8.5	89	2800	2900	35	8	446

EBR-SWM-R-F2.5

Code	Description	L	f	d	d1	f2	D	h	h1	h2	h3	h5	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260566-C1	EBR.150-SWM-R-F2,5	160	132±0.5	8.5	13.5	14.5	28	44	10	30	47	14	8.5	89	2800	2900	35	8	231

EBR-SWM-R-F5

Code	Description	L	f	d	d1	f2	D	h	h1	h2	h3	h5	B	l1	F1 [N]	F2 [N]	L1 [J]	L2 [J]	⚖
260562-C1	EBR.150-SWM-R-F5	160	132±0.5	8.5	13.5	14.5	28	44	10	30	47	14	8.5	89	2800	2900	35	8	356

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