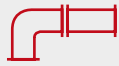


At a Glance

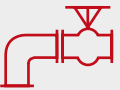
Applications



Temperature maintenance



Pipelines



Valves, pumps

- › Chemistry and Petrochemistry
- › Food Processing Industry
- › Water and sanitation utilities

Advantages

- › Two nominal outputs
- › UV-resistant
- › Moisture proof
- › Small dimensions

Design

AO Aluminium foil, TPE-O outer jacket

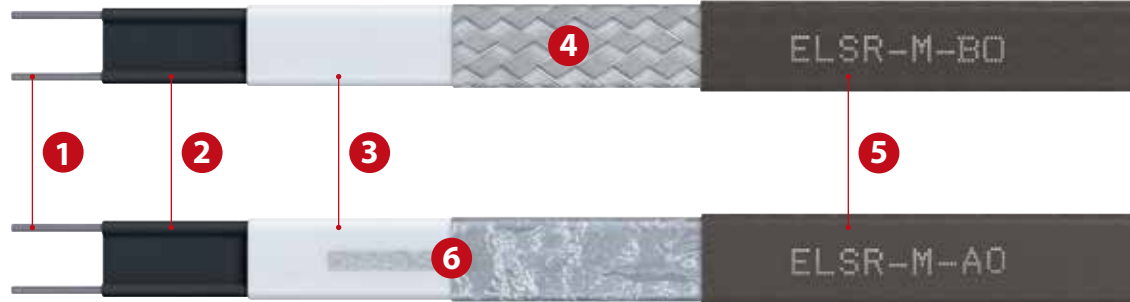
BO Protective braid, TPE-O outer jacket

Zulassungen



Type ELSR-M

up to 65 °C



1 Bus wire	Nickel plated copper
2 Self-regulating heating element	
3 Insulation	
4 Protection	Protective braid (Cu, tin plated)
5 Outer jacket	TPE-O
6 Protective conductor connection	see 4 or Cu, tin plated with aluminium foil

Checklist ELSR-M

Power Connection & End Termination

ELVB-SRAM-25	Power connection, shrink-fit, Gland M25 x 1,5, PE	091A015
EL-ECM	Silicone termination cap, glued, transparent	09112M1
ELVB-SRV-M	Connection set, shrink-fit	0911122

Junction Boxes

ELAK-2	104 x 104 x 70 mm, polycarbonate, breakouts 7x M25, IP 66	0920030
ELAK-5	122 x 120 x 90 mm, polyester, 3 breakouts M25, IP 66	0920013
ELAK-5.1	130 x 130 x 75 mm, polycarbonate, breakouts 9x M20/M25, IP 66	0920002

Temperature Sensors

ELTF-PT.1	Pt100, 5 x 50 mm PVC 5 m	0650001
ELTF-PT.3	Pt100, 2 conductor, 5 x 50 mm, 3 m PTFE cable	0650003
ELTF-PT.3.1	Pt100, 3 conductor, 5 x 50 mm, 3 m PTFE cable	0650002

Technical Information

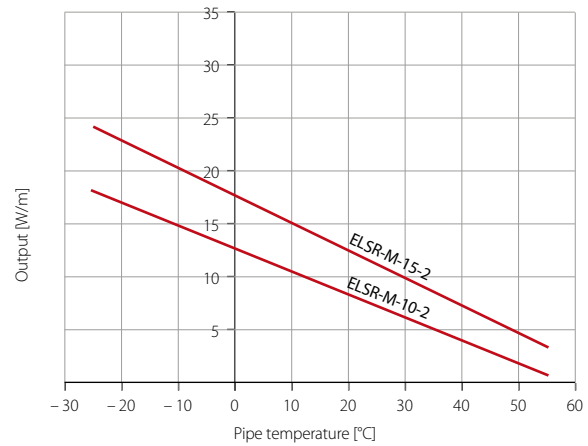
Maximum ambient temperature, energized	65 °C
Maximum ambient temperature, de-energized	65 °C
Nominal voltage	230 V
Bending radius, min.	25 mm
Installation temperature, min.	- 45 °C

Heating circuit lengths on the following conditions

- 230 V nominal voltage
- Delayed action circuit breakers (C-characteristic) with 80 % maximum load
- Maximum 10 % line voltage drop on heating cable bus wire
- Power connection to one heater end

ELSR-M-...-2 output

(on insulated metallic pipes in accordance with EN 62395-1)



Switch-on temperature (°C)	Nominal cutout value (A)	Heating circuit length (m) for	
		ELSR-M-10-2	ELSR-M-15-2
10	10	126.5	98.0
	16	126.5	105.5
	20	126.5	105.5
0	10	115.5	83.0
	16	115.5	97.5
	20	115.5	97.5
-10	10	100.0	72.0
	16	106.5	91.0
	20	106.5	91.0
-20	10	87.0	64.0
	16	99.5	85.5
	20	99.5	85.5
-40	10	69.0	52.0
	16	88.5	77.0
	20	88.5	77.0

Type	Nominal output	Dimensions approx. (mm)	Weight approx. (g/m)	Part No.
ELSR-M-10-2-AO	10 W/m at 10 °C	8.0 x 5.5	53	B0225110
ELSR-M-10-2-BO	10 W/m at 10 °C	8.5 x 5.8	62	B0225102
ELSR-M-15-2-AO	15 W/m at 10 °C	8.0 x 5.5	53	B0225160
ELSR-M-15-2-BO	15 W/m at 10 °C	8.5 x 5.8	62	B0225152