

Contacts	EGS12Z <sup>b)</sup>	EGS12ZZ <sup>b)</sup>	EGS61Z <sup>b)</sup> MTR61 <sup>b)</sup>	LRW12D/MSR12 <sup>1)</sup>	MTR12/DCM12
Contact material/contact gap	AgSnO <sub>2</sub> / 0.5 mm	AgSnO <sub>2</sub> / 0.5 mm	AgSnO <sub>2</sub> / 0.5 mm	OptoMOS	AgSnO <sub>2</sub> / 0.5 mm
Spacing of control connections/contact	3 mm	3 mm	3 mm	3 mm/6 mm	3 mm
Test voltage as per VDE 0110 control connection/contact	2000 V	2000 V	2000 V	LRW12D: 2000 V MSR12: 4000 V	2000 V
Rated switching capacity	16 A/250V AC	5 A/250V AC	10 A/250V AC	50 mA/8...230V UC	5 A/250V AC DCM: 90 W
Inductive load cos φ = 0.6/230V AC inrush current ≤ 35A	650 W	650 W <sup>2)</sup>	650 W	–	MTR12: 650 W <sup>2)</sup>
Life at rated load, cos φ = 0.6	>4x10 <sup>4</sup>	>4x10 <sup>4</sup>	>4x10 <sup>4</sup>	–	>4x10 <sup>4</sup>
Switch position indication	WA and RV	WA and RV	–	LED	LED
Maximum conductor cross-section (3-fold terminal)	6 mm <sup>2</sup> (4 mm <sup>2</sup> )	6 mm <sup>2</sup> (4 mm <sup>2</sup> )	4 mm <sup>2</sup>	6 mm <sup>2</sup> (4 mm <sup>2</sup> )	6 mm <sup>2</sup> (4 mm <sup>2</sup> )
Two conductors of same cross-section (3-fold terminal)	2.5 mm <sup>2</sup> (1.5 mm <sup>2</sup> )	2.5 mm <sup>2</sup> (1.5 mm <sup>2</sup> )	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup> (1.5 mm <sup>2</sup> )	2.5 mm <sup>2</sup> (1.5 mm <sup>2</sup> )
Screw head	slotted /crosshead, pozidriv	slotted /crosshead, pozidriv	slotted /crosshead	slotted /crosshead, pozidriv	slotted /crosshead, pozidriv
Type of enclosure/terminals	IP50 / IP20	IP50 / IP20	IP30 / IP20	IP50 / IP20	IP50 / IP20
<b>Electronics</b>					
Time on (also for central on/off)	100 %	100 %	100 %	100 %	100 %
Max./min. temperature at mounting location	+50 °C/-20 °C	+50 °C/-20 °C	+50 °C/-20 °C	+50 °C/-20 °C	+50 °C/-20 °C
Standby loss (active power) at 230V	0.4 W	0.9 W	0.4 W	LRW12D: 0.5 W MSR12: –	MTR12: 0.5 W
Standby loss (active power) at 24 V	0.1 W	0.1 W	–	LRW12D: 0.1 W MSR12: 0.5 W	DCM12: 0.07 W
Standby loss (active power) at 12V	0,05 W	0,05 W	–	LRW12D: 0,05 W MSR12: –	–
Control current A1 or A3-A8 at 12/24/230V ± 20%	0.05/0.11/0.7 mA	0.05/0.11/0.7 mA	–/–/0.7 mA	–	0.1/0.2/1 mA
Max. parallel capacitance (approx. length) of control lead at 230 V AC	0.06 μF (200 m)	0.06 μF (200 m)	0.3 μF (1000 m) MTR61: 0.06 μF (200 m)	–	0.3 μF (1000 m)
Min. command duration	50 ms	50 ms	50 ms	–	–

<sup>b)</sup> Bistable relay as relay contact. Do not connect the switched consumer to the mains before the short automatic synchronisation after installation has terminated.

<sup>1)</sup> After installation and after a power failure the multisensor needs approx. 1 minute before the wind sensor is active. During this process the outputs wind and sun of the MSR12 are blocked and 3 LEDs flash slowly.

<sup>2)</sup> Inductive load cos φ = 0.6 as sum of both contacts 1000W max.

If necessary, see the operating instructions of the appropriate shading elements for the maximum wind speed that can be set for the sensor relays.

m/s	4	6	8	10	12	14	16
km/h	14.4	21.6	28.8	36.0	43.2	50.4	57.6
Bff	3	4	4	5	6	7	7

Do not route measurement leads parallel to other electrical lines - measurement leads must be screened statically if longer than 10 m. For example JY-ST-Y. To extend leads use screw terminals and damp-proof connectors.

When selecting an installation site for light, wind and multi sensors, ensure that the sensors are not in the shadow of the objects being monitored.