Contacts	MFZ12DDX [b] MFZ12DX [b] RVZ/AVZ/TGI/EAW12DX [b]	MFZ12NP	MFZ12-230 V A2Z12-UC	MFZ61DX [b]
Contact material/contact gap	$AgSnO_2$ / 0,5 mm	$AgSnO_2$ / 0,5 mm	$AgSnO_2$ / 0,5 mm	$AgSnO_2$ / 0,5 mm
Spacing of control connections/contact Spacing control connections C1-C2 or A1-A2/contact	6 mm –	3 mm 6 mm	3 mm; A2Z12: 6 mm –	– 6 mm
Test voltage control connections/contact Test voltage C1-C2 or A1-A2/contact	4000 V –	2000 V 4000 V	2000 V; A2Z12: 4000 V –	2000 V 4000 V
Rated switching capacity	10 A/250 V AC	16 A/250 V AC	10 A/250 V AC	10 A/250 V AC
Incandescent lamp and halogen lamp load [1] 230 V	2000 W [3]	2300 W [3]	1000 W [3]	2000 W [3]
Fluorescent lamp load with KVG* in lead-lag circuit or non compensated	1000 VA [3]	1000 VA [3]	500 VA [3]	1000 VA [3]
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	500 VA [3]	500 VA [3]	250 VA [3]	500 VA [3]
Compact fluorescent lamps with EVG* and energy saving lamps ESL	15 x 7 W 10 x 20 W [4]	15 x 7 W 10 x 20 W	I on ≤ 35 A/10 ms [2]	15 x 7 W 10 x 20 W [4]
Max. switching current DC1: 12 V/24 V DC	8 A	–	–	–
Life at rated load, cos φ = 1 for incandescent lamps 1000 W at 100/h	$> 10^5$	$> 10^5$	$> 10^5$	$> 10^5$
Life at rated load, cos φ = 0.6 at 100/h	$> 4 \times 10^4$	$> 4 \times 10^4$	$> 4 \times 10^4$	$> 4 \times 10^4$
Maximum conductor cross-section (3-fold terminal)	6 mm^2 (4 mm^2)	6 mm^2 (4 mm^2)	6 mm^2 (4 mm^2)	4 mm^2
Two conductors of same cross-section (3-fold terminal)	2.5 mm^2 (1.5 mm^2)	2.5 mm^2 (1.5 mm^2)	2.5 mm^2 (1.5 mm^2)	1.5 mm^2
Screw head	slotted/crosshead, pozidriv	slotted/crosshead, pozidriv	slotted/crosshead, pozidriv	slotted/crosshead
Type of enclosure/terminals	IP50/IP20	IP50/IP20	IP50/IP20	IP30/IP20
Electronics				
Time on	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
Temperature dependence	< 0.2 % per °C	< 0.2 % per °C	< 0.2 % per °C	< 0.2 % per °C
Repeat accuracy at 25°C	±0.1%	±0.1%	±0.1%	±0.1%
Control voltage dependence from 0.9 to 1.1 x rated voltage	none	none	none	none
Stored energy time in the event of power failure (then total reset)	≥ 0.2 seconds	≥ 0.2 seconds	≥ 0.2 seconds	≥ 0.2 seconds
Standby loss (active power) 230 V	MFZ12DDX: 0.5 W; MFZ12DX: 0.4-0.6 W; RVZ/AVZ/TGI/EAW12: 0.4 W	0.5 W	0.4 W	0.4 W
Standby loss (active power) 12 V [5]	0.02 W; MFZ12DDX: 0.05 W	–	–	0.02 W
Control current 230 V-control input local ±20%	–	2 mA	2 mA; A2Z12: –	–
Control current universal control voltage 8/12/24/230 V (<10 s) ± 20 %	0.05/0.1/0.2/1 mA	2/4/9/5 (100) mA	A2Z12: 0.05/0.1/0.2/1 mA	0.05/0.1/0.2/1 mA
Max. parallel capacitance (approx. length) of the control leads at 230 V AC	0.2 µF (600 m)	0.01 µF (30 m) C1-C2: 0.03 µF (100 m)	0.01 µF (30 m); A2Z12: 0.2 µF (600 m)	0.2 µF (600 m)

[b] Bistable relay as relay contact. The switched consumer may not be connected to the mains before the short automatic synchronisation after installation has terminated. [1] For lamps with a load of 150 W max. [2] A 40-fold inrush current must be calculated for electronic ballast devices. For steady loads of 1200 W or 600 W use the current-limiting relay SBR12 or SBR61. Product group G, page G3. [3] The maximum load can be used from a delay time or clock cycle of 5 minutes. The maximum load is reduced for shorter times as follows: up to 2 seconds 500 W, up to 2 minutes 1000 W, up to 5 minutes 2000 W.
[4] When using DX types close attention must be paid that zero passage switching is activated! [5] Standby loss at 24 V approx. two times greater than at 12 V.

Compliance with: VDE 0435, EN 61000-6-3, EN 61000-6-1, EN 60 669