

Accessories Multimode Relay MT

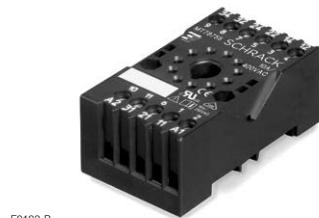
- Snap-on mounting on DIN-rail
- Screw mounting
- Pozidrive screws with rising clamp terminals
- Logical layout of input/output connections
- White marking area
- Din-rail sockets and accessories: RoHS compliant (Directive 2002/95/EC)



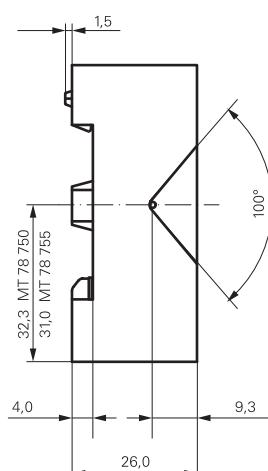
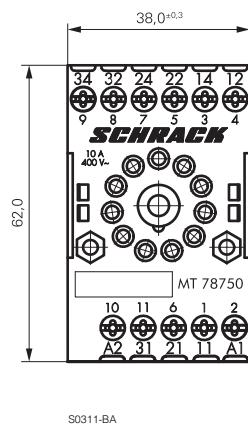
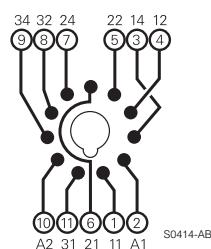
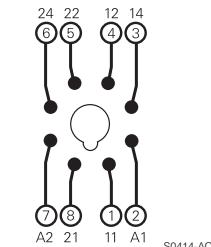
F0235-B

MT DIN-rail sockets with screw-type terminals

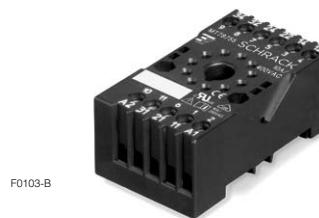
MT 78 750 MT3 DIN-rail socket with screw-type terminals, 11-pin
MT 78 755 MT2 DIN rail socket with screw type terminals, 8-pin



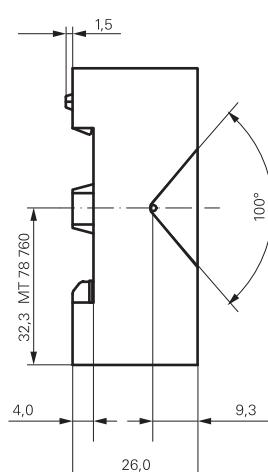
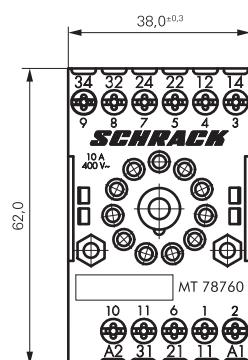
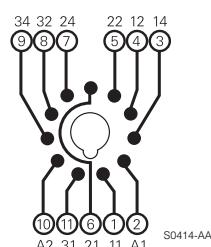
F0103-B


MT 78 750

MT 78 755


MT 78 760 MT3 DIN-rail socket with screw-type terminals, 11-pin



F0103-B

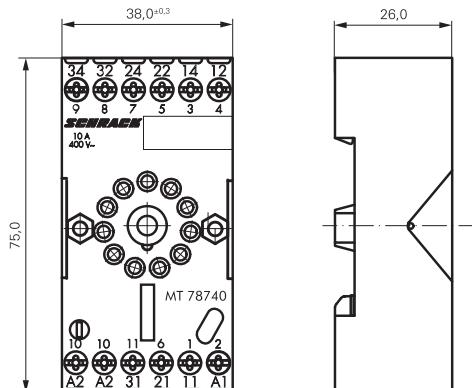

MT 78 760


Accessories Multimode Relay MT (Continued)

MT 78 740 MT3 DIN-rail socket with screw-type terminals, 11-pin
MT 78 745 MT2 DIN rail socket with screw type terminals, 8-pin



F0200-B



Socket system MT 78 740 and MT 78 745
 ■ 8/11 pin socket for MT2 / MT3
 ■ Double A2 screw for simple further connection of coil supply

Approvals

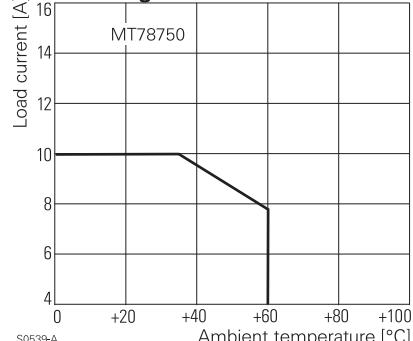
 REG.-Nr. 6182,  E135149

Technical data

MT 78 750/755/760/740/745	
Rated voltage / max. switching voltage AC	240 / 400 VAC
Rated current	10 A
Dielectric strength coil-contact circuit	2500 V _{rms}
open contact circuit	1500 V _{rms}
adjacent contact circuits	2500 V _{rms}
Clearance / creepage coil-contact circuit	≥ 2.8/4 mm
Material group of insulation parts	IIIa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
adjacent contact circuits	basic
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230 / 400 V
Overvoltage category	III
RoHS - Directive 2002/95/EC	
DIN-rail sockets and retainers:	compliant
Ambient temperature range	-20...+80°C
Terminals	screw
Terminal screw torque acc. IEC 61984	0.5 Nm
max.	0.7 Nm
Wire cross section	
single wire	2 x 2.5 mm ²
fine wire	2 x 2.5 mm ²
with bootlace crimp (DIN 46228/1)	2 x 1.5 mm ²
Insertion cycles	A (10)
Max. Insertion Force total	100 N
Mounting distance	≥ 0, dense packing
Weight MT 78 750/760	54 g
MT 78 755	47 g
MT 78 740	62 g
MT 78 745	56 g
Packaging unit	25 pcs

DIN-rail sockets with screw-type terminals

Type	Part Number
MT 78 750	DIN-rail socket with screw-type terminals 11-pin
MT 78 755	DIN-rail socket with screw-type terminals 8-pin
MT 78 760	DIN-rail socket with screw-type terminals 11-pin
MT 78 740	DIN-rail socket with screw-type terminals, 11-pin
MT 78 745	DIN-rail socket with screw-type terminals, 8-pin

Derating curve


Accessories Multimode Relay MT (Continued)
Accessories for MT 78 750, MT 78 755, MT 78 760, MT 78 740, MT 78 745

Type	Part Number
MT 28 800 Metal retaining clip MT	8-1393163-0


LED and Protection modules for MT 78 740, MT 78 745

Type	Part Number
MTM T0 0A0 Protection diode 1N4007 (A1+, A2-)	7-1393163-6
MTM U0 730 RC-network 110...230 VAC	7-1393163-8

LED

MTM L0 024	red LED 24 VAC / VDC	7-1393163-4
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Function modules for MT 78 740, MT 78 745

Type	Part Number
MTM Z0 W00 Delay ON	7-1393163-9
MTM F0 W00 Multifunction	7-1393163-3



F0203-B



F0204-B

Technical data - Function modules

Nominal voltage	24...240 VDC / VAC
Mains frequency	48...63 Hz
Precision of time setting	$\pm 0.5\%$
Readiness for repetition	$\leq 0.5\%$ or 5 ms
Influence of temperature	$\leq 0.1\%/\text{°C}$
Time range switchable	0,05s...240h in 8 ranges
RoHS - Directive 2002/95/EC	compliant as per product date code 0515
Ambient temperature	-25...+55 °C

Function modules for MT 78 740, MT 78 745
Function

Delay ON



Delay OFF



single shot leading edge



single shot trailing edge


 Delay ON
triggered by signal contact


single shot



flasher starting with pause



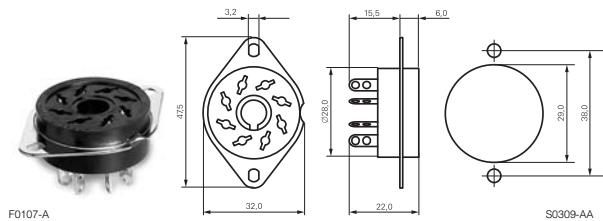
flasher starting with pulse



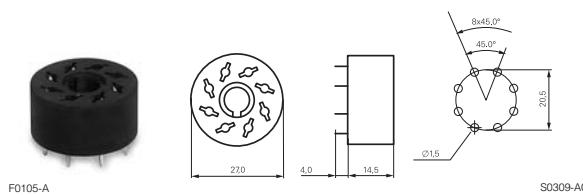
Accessories Multimode Relay MT (Continued)

MT sockets for PCB and with solder terminals MT 78 602/603/612/613

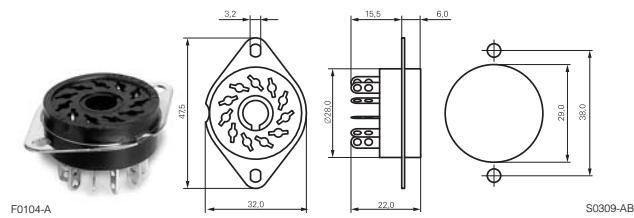
MT 78 612 Socket 8-pin with solder terminals



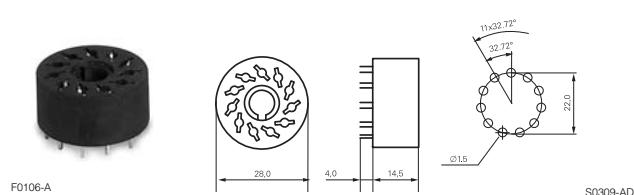
MT 78 602 Socket 8-pin with PCB terminals



MT 78 613 Socket 11-pin with solder terminals



MT 78 603 Socket 11-pin with PCB terminals



Technical data

MT 78 602/603/612/613

Technical data		EN 60529/IEC 60529
Rated voltage / max. switching voltage AC	240 / 400 VAC	
Rated current	10 A	
Dielectric strength coil-contact circuit	2500 V _{rms}	
open contact circuit	1500 V _{rms}	
adjacent contact circuits	2500 V _{rms}	
Clearance / creepage coil-contact circuit	≥ 2.8/4 mm	
Material group of insulation parts	IIIa	
Insulation to IEC 60664-1		
Type of insulation coil-contact circuit	basic	
open contact circuit	functional	
adjacent contact circuits	basic	
Rated insulation voltage	250	
Pollution degree	2	
Rated voltage system	230 / 400	
Overvoltage category	III	
RoHS - Directive 2002/95/EC		
MT 78 602, MT 78 603	compliant as per product date code 0517	
MT 78 612, MT 78 613	compliant as per product date code 0543	
Ambient temperature range	-40...+70°C	
Terminals	pcb, solder terminals	
Insertion cycles	A (10)	
Max. Insertion Force total	100 N	
Mounting distance	≥ 0, dense packing	
Resistance to soldering heat	270°C / 10 s	
Weight	7 g	
Packaging unit	25 pcs	

Sockets with solder and PCB terminals

Type	Part Number
MT 78 612	Socket 8-pin with solder terminals
MT 78 613	Socket 11-pin with solder terminals
MT 78 602	Socket 8-pin with PCB terminals
MT 78 603	Socket 11-pin with PCB terminals

Mouser Electronics

Authorized Distributor

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[MT78603](#) [MT78750](#)