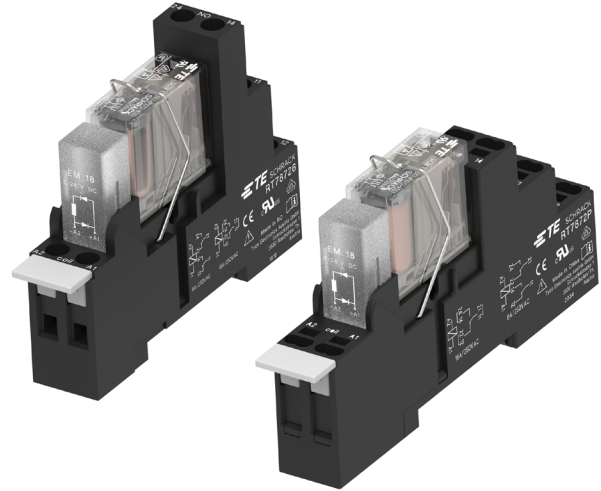


ACCESSORIES FORCE GUIDED RELAY SR2M PLUG-IN

PANEL PLUG-IN RELAYS

FEATURES

- For Force Guided Relay SR2M Plug-in, pinning 5 mm
- Simple plug-in indicator- and protection modules
- white snap-on marking tags
- RoHS compliant (Directive 2011/65/EU)

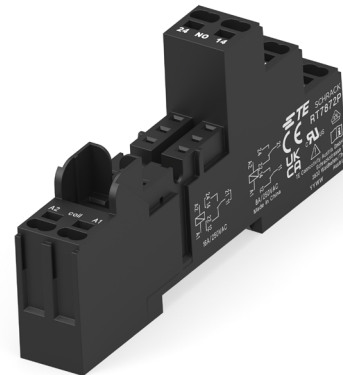


PREMIUM SOCKET WITH SCREWLESS TERMINALS FOR DIN RAIL MOUNTING

RT7872P Premium socket, logical terminal arrangement

FEATURES

- Screwless clamps
- Mounting of solid wires without tool
- Double clamps per terminal
- Jumper links for interconnection
- Logical terminal arrangement

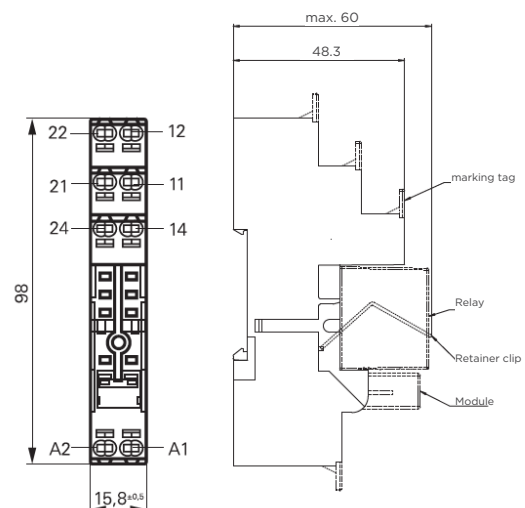


APPROVALS

- VDE 116064
- UL E135149



Technical data of approved types on request



Accessories Force Guided Relay SR2M Plug-in

Panel Plug-in Relays

TECHNICAL DATA

Rated voltage/Max. switching voltage AC	240/400VAC
Rated current	2 x 6A
Dielectric strength	
coil contact circuit	4000 Vrms
open contact circuit	1000 Vrms
adjacent contact circuits	2500 Vrms
Clearance / creepage	
coil contact circuit	≥ 8/8 mm
Material group of insulation parts	IIIa
Flammability class UL 94	V-0
Insulation to IEC 60664-1	
Type of insulation	
coil-contact circuit	reinforced
open contact circuit	functional
adjacent contact circuits	functional
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230 / 400 V
Over voltage category	III
RoHS - Directive 2002/95/EC	compliant
Ambient temperature range	
for mounting/handling	-20...+70 °C
in operation	-25...+70 °C
Terminals	screwless
Wire strip length	12 mm

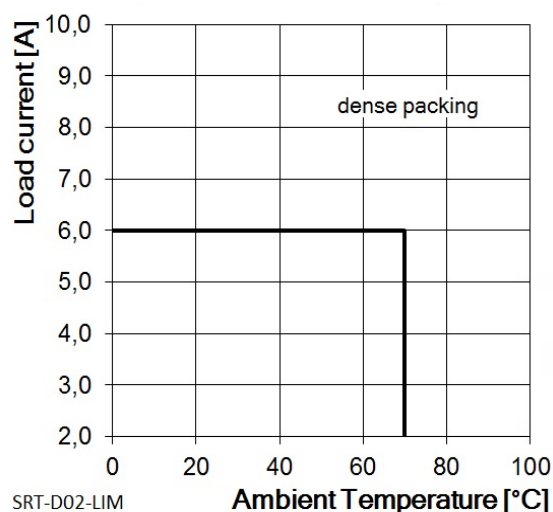
Wire cross section

solid wire		1x0.75/1/1.5mm ² 2x0.75/1mm ²
with stand. isolation (no oversize isolation)		2x1.5mm ²
stranded wire		
without bootlace crimp		1x0.75/1/1.5mm ² 2x0.75/1mm ²
without bootlace crimp with stand. isolation		2x1.5mm ²
with bootlace crimp		1x0.75/1.5mm ² 2x0.75mm ²
with bootlace crimp without isolation or min 18 mm long		1x0.75/1.5mm ²

For stranded wires with braids 0.05 mm or smaller the use of bootlace crimps is recommended. When using stranded wires without bootlace crimp the clamp must be opened during insertion.

Insertion cycles	A (10)
Max. Insertion Force total	100 N
Mounting distance	≥ 0, dense packing
Weight	36 g
Packaging unit	10 pcs

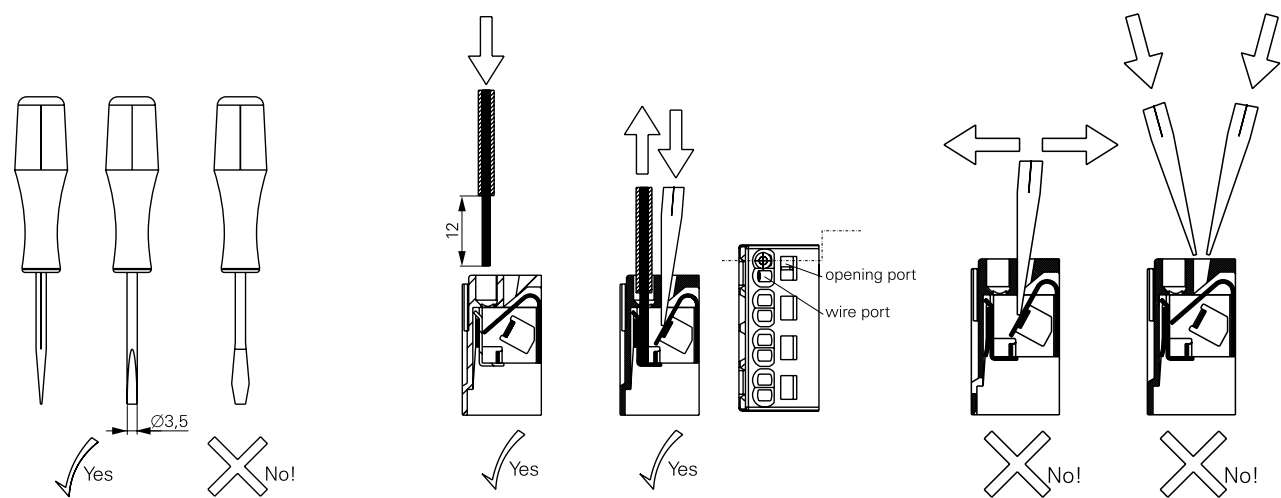
DERATING CURVE RT7872P



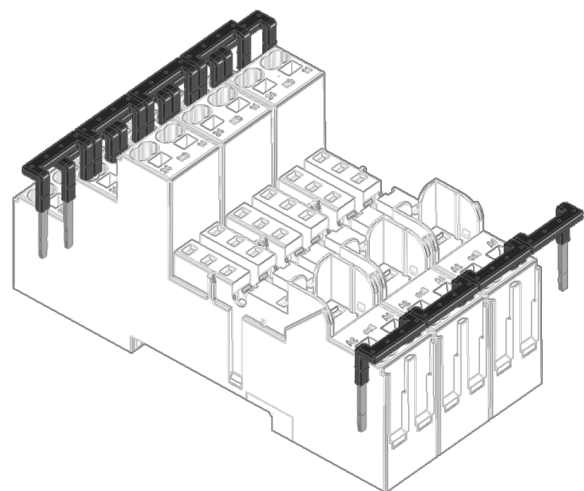
Accessories Force Guided Relay SR2M Plug-in

Panel Plug-in Relays

HOW TO USE, PRECAUTIONS



JUMPER LINK



SOCKET WITH SCREWLESS TERMINALS FOR DIN RAIL MOUNTING

Type	Description	Part Number
RT7872P	Premium socket, logical terminal arrangement Socket with screwless terminals pinning 5 mm for DIN rail mounting	1860200-1

ACCESSORIES FOR RT7872P

Type	Description	Part Number
XT28816	Metal retaining clip, relay height 25.5mm	1887204-1
RT17040	Marking tag	2-1415038-1
RT170P1	Jumper link, max load 12A	1860211-1

Accessories Force Guided Relay SR2M Plug-in

Panel Plug-in Relays

SOCKET WITH SCREW TYPE TERMINALS

FOR DIN RAIL MOUNTING

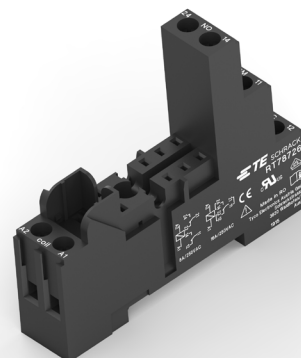
RT78726 Socket with screw-type terminals, logical terminal arrangement

FEATURES

- Din-rail socket with logical setup of connectors (input/output)
- High quality rising clamp terminals
- Captive combination terminals screws
- Jumper bars for interconnection

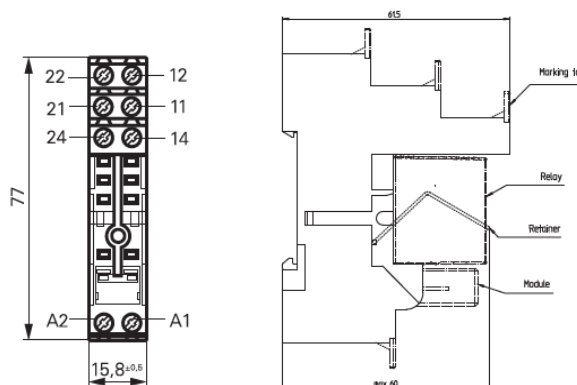
APPROVALS

- VDE 116064
- UL E135149

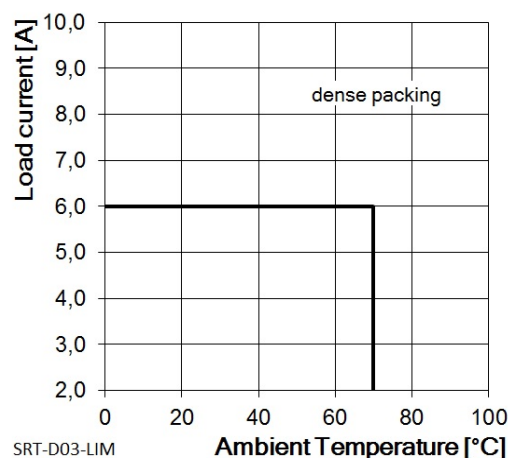


TECHNICAL DATA

	RT78726
Rated voltage/Max. switching voltage AC	240/400VAC
Rated current	2x6A
Dielectric strength	
coil-contact circuit	4000 Vrms
open contact circuit	1000 Vrms
adjacent contact circuits	2500 Vrms
Clearance / creepage	
coil-contact circuit	$\geq 8/8$ mm
Material group of insulation parts	IIIa
Flammability class UL 94	V-0
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	reinforced
open contact circuit	functional
adjacent contact circuits	functional
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230 / 400V
Overvoltage category	III
RoHS - Directive 2002/95/EC	compliant



DERATING CURVE RT 78726 (SR2M)



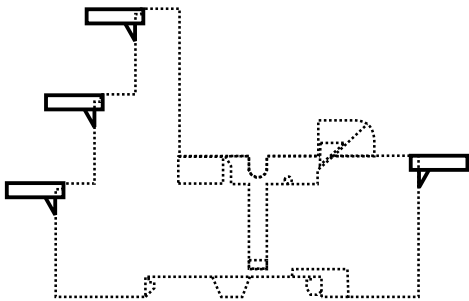
Accessories Force Guided Relay SR2M Plug-in

Panel Plug-in Relays

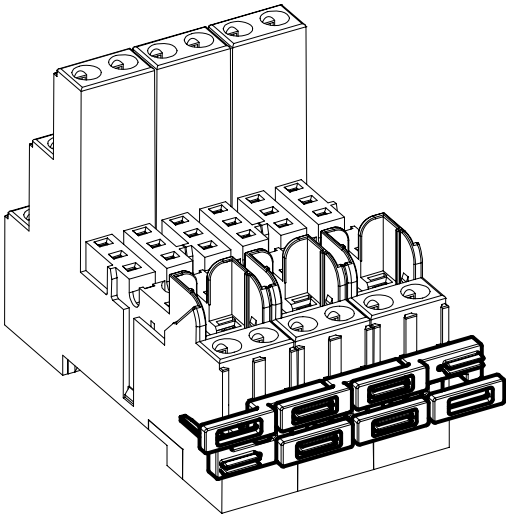
	RT78726
Ambient temperature range	
for mounting/handling	-20°C ... +70°C
in operation	-25°C ... +70°C
Terminals	screw
Terminal screw torque acc. IEC 61984 max.	0.5 Nm 0.7 Nm
Wire cross section	
single wire	2 x 2.5 mm²
fine wire	2 x 2.5 mm²
with bootlace crimp (DIN 46228/1)	2 x 1.5 mm²
Insertion cycles	A (10)
Max. Insertion Force total	120 N
Mounting distance	≥ 0, dense packing
Weight	36 g
Packaging unit	10 pcs

MARKING TAGS

- White marking area 15.5 x 6 mm
- Snap on socket in up to 4 positions



JUMPER BAR



SOCKET WITH SCREW TYPE TERMINALS FOR DIN RAIL MOUNTING

Type	Description	Part Number
RT78726	Socket with screw type terminals, pinning 5 mm for DIN rail mounting, logical terminal arrangement	6-1415035-1

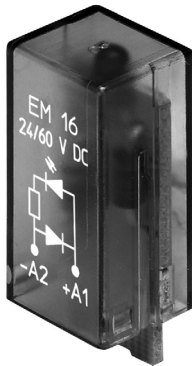
ACCESSORIES FOR RT78726

Type	Description	Part Number
XT28816	Metal retaining clip, relay height 25.5 mm	1887204-1
RT17040	Marking tag	2-1415038-1
RT170R8	Jumper bar, max load 12A for connection of up to 8 RT sockets	1860517-8

Accessories Force Guided Relay SR2M Plug-in

Panel Plug-in Relays

LED- AND PROTECTION MODULES
FOR RT7872P, RT78726



- Easy insertion of module into the socket.
- Wiring in parallel to the coil.

Type	Description		Part Number
PTMT00AO	EM09	Protection diode (standard, A1+,A2-)	9-1415036-1
PTMT00LO	EM01	Protection diode (A1-, A2+)	1415037-1

LED

Type	Description		Part Number
PTML0024	EM18	Red LED 6...24 VDC w.prot. diode (std, A1+, A2-)	5-1415036-1
PTMG0024	EM12	Green LED 6...24 VDC w.prot. diode (std, A1+, A2-)	2-1415036-1
PTML1024	EM08	Red LED 6...24 VDC w.prot. diode (A1-, A2+)	8-1415036-1
PTML0060	EM16	Red LED 24...60 VDC w.prot. diode (std, A1+, A2-)	5-1415539-3
PTMG0060	EM25	Green LED 24...60 VDC w.prot. diode (std, A1+, A2-)	7-1415539-7
PTML0110	EM19	Red LED 60...110 VDC w.prot. diode (A1+, A2-)	2-1415392-1

Combination of relay and socket, insulation requirements and thermal characteristics

The relay standard IEC 61810-1 has an important impact on the combination of a relay and the respective socket. The relay sockets have to comply with the requirements of IEC 61984 and the insulation requirements of the IEC 61810-1. Even if the socket alone fulfills or exceeds the insulation requirements as clearance/creepage for the relay, the combination of a relay with a socket may reduce the creepage and lead to a lower rated insulation voltage. Hence restrictions for the combination relay-socket may be the consequence, e.g. a reduction of the voltage range or of the pollution degree. Especially for miniature multi-pole relay and respective sockets with small distance between the contact circuits, these restrictions have a big impact.

Apart from the insulation properties, the thermal characteristics of the combination relay and socket are of utmost importance (see > 'Derating curves'). Especially the operations conditions like multiple heat up and cool down cycles could have significant impact on the long-term stability of the contact resistance of the combination contact tulip and terminal, and may thereby cause risk of overheating and fire hazard. It is strongly recommended that such conditions are considered in the design and usage of the device and that the devices are thoroughly tested under real conditions.

As sockets from different sources are not directly comparable, the compliance with the technical specification can only be informed for an approved combination relay-socket. As design details and characteristics for non TE products are beyond our control, confirmations for technical parameters and characteristics regarding such combinations is not possible. Risks as reduced dielectric strength, fire hazard, etc. due to use based on unclear or omitted data, limitations or restrictions must not be underestimated.

NOTE: We only confirm the characteristics and parameters for the approved combinations of relays and sockets as indicated in the catalog and datasheets.

Important Notes:

1. Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.
2. Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at <http://relays.te.com/definitions>.
3. Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change

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