

Comparison list multifunctional and time relays

Old types	Replaced by	Differences
<p>GZA 10, GZA 20/21, GZA 21, GZE 10, GZE 20, GZE 21, GZI 20, GZI 21, GZU 20, GZU 21, GZU 30 GZP 20, GZP 21</p> <p>GRA 10, GRE 10, GRI 1, GRI 12, GRL, GRL 1, GRL 6, GRL 12, GRL 18, GRL 38, GRL 68, GRP 1, GRP 2, GRP 10, GRP 11, GRP 16, GRP 31, GRP 32, GRP 33, GRP 38/01 GRT 10, GRT 12, GRT 60, GRT 62, GRT 100 GSL 1</p> <p>RBL 1, RBL 2</p> <p>RTL, RTL 10, RTL 30, RTL 60</p> <p>RI 1, RT 1, RT 2, RT 3, RT 5, RT 6, RT 7, RT 8, RT 10, RT 12</p> <p>RZEA 30/40, RZIB 30/40, RZAB 30 U21P, U22P</p>	<p>MFT SU22P</p> <p>Multifunction, 2 changers, potential free control, zoomvoltage</p>	<ul style="list-style-type: none"> • Supply voltage 12-240 Vdc • Extended time ranges
<p>GWR, GWR 30 GZPS 20/21 GZW 20</p> <p>GZPS 20, GZPS 21, GZUS 30</p> <p>RZIB 40, RZEA 40</p> <p>U11S, U21S, U22S</p>	<p>MFT SU22S</p> <p>Multifunction, 2 changers, voltage controlled zoomvoltage</p>	<ul style="list-style-type: none"> • No potential free control • No wire straps • Supply voltage 12-240 Vdc • Extended time ranges
<p>GSR 1, GSR 2</p> <p>GZEK 20/21</p> <p>MFT U31S</p>	<p>MFT SU31S</p> <p>Multifunction, 1 changer, 1 immediate contact optional, voltage controlled</p>	<ul style="list-style-type: none"> • No potential free control • Optional with or without immediate contact • Supply voltage 24 Vac/dc and 110-240 Vac • At 24 Vac/dc connections on pin 2 and 7 • Extended time ranges
<p>GZU 30 E RT 5E</p> <p>MFT U41SE</p>	<p>MFT SU41SE</p> <p>Multifunction, 1 changer, 1 NC contact, voltage controlled</p>	<ul style="list-style-type: none"> • No potential free control • Supply voltage 24 Vac/dc and 110-240 Vac • At 24 Vac/dc connections on pin 2 and 7 • External potentiometer on pin 6 and 8 • External potentiometer 1MΩ • 1 Changer and 1 NC contact • Extended time ranges

Comparison list multifunctional and time relays

Old types	Replaced by	Differences
GTP 10, GTP 11 GRL 16, GRM 1, GRM 1P GZEA 20, GZEA 21, GZEI 20, GZEI 21, GZEP 30, GZT 20, GZT 21, GZT 30, GZTP 20, GZTP 21, GZTP 21/02 RBL 2 RM 1 RT 9 MFT T21S	MFT ST22S Cycling timer, Delay on and delay off, 2 changers	<ul style="list-style-type: none"> No potential free control Supply voltage 12 ... 240 Vac/dc Extended time ranges
GZT 30 E MFT T51SE	MFT ST51SE Cycling timer, Delay on and delay off, Ext. potmeter, 1 NC contact, 1 NO contact	<ul style="list-style-type: none"> Supply voltage 24 Vac/dc and 110-240 Vac At 24 Vac/dc connections on pin 2 and 7 External potentiometer on pin 3, 6 and 8 1 NC contact and 1 NO contact Extended time ranges
GSL 1 GZAH 20 A21S	MFT SA23S Delay off without supply voltage, 2 changers	<ul style="list-style-type: none"> Supply voltage 24 ... 240 Vac/dc
GSD 1 GZD 20 S21S	MFT SS22S Star-delta relay , 2 changers	<ul style="list-style-type: none"> Supply voltage 12 ... 240 Vac/dc Change-over time for star-delta switching adjustable Extended time ranges
GZED, GZED 20 GZUD 30 D42S	No replacement	

Comparison list multifunctional and time relays

Old types	Replaced by	Differences
DZU 30	DZU 40 Multifunction, 2 changers	<ul style="list-style-type: none"> Extended time ranges 24 Vac/dc and 110-240 Vac
DZT 40	MFT IT14S	<ul style="list-style-type: none"> Only functions TP and TI available 12-240VAC/DC
DZT 40	MFT ITU24S Multifunction	<ul style="list-style-type: none"> More functions available 12-240VAC/DC
DZU 40	MFT IU24S	<ul style="list-style-type: none"> Without function S1 12-240VAC/DC
DZA 30 DZB 30 DZE 30 DZI 30 DZA 31 DZE 31 DZU 41	MFT IQ13S	<ul style="list-style-type: none"> Only functions E, A, I1, B2 available 24-240VAC/DC
DZU 41	MFT IU14S Multifunction	<ul style="list-style-type: none"> Without function S1 12-240VAC/DC
GSW 31	SHR	<ul style="list-style-type: none"> Availablely at the company HIT Elektronik www.hit-elektronik.de
EBG 33 GIR 20, GIR 1 GRK10/20 GSM 1 GWR 30 GZW 20 RK, RK10/20	No Replacement	

Comparison list monitoring relays

Old types	Replaced by	Differences
GM-U 40 230/400 VAC GM-U 31, GM-U 3, GM-U 31-0, GM-U 3-0 GM-P 1	EMR SU31D1 3-phase voltage monitoring relay, 1 NC contact, 1 NO contact	<ul style="list-style-type: none"> • More set possibilities • with or without neutral wire • Additional phase sequence monitoring • Additional asymmetry monitoring
GM-U 40 132/230 VAC GM-U 31, GM-U 3, GM-U 31-0, GM-U 3-0 GM-P 1	EMR SU31C1 3-phase voltage monitoring relay, 1 NC contact, 1 NO contact	<ul style="list-style-type: none"> • More set possibilities • with or without neutral wire • Additional asymmetry monitoring
GM-U 1 110 VAC	EMR SU21M 2 changers	<ul style="list-style-type: none"> • Pin compatible • More set possibilities
GM-U 1 230 VAC	EMR SU21N 2 changers	
GM-U 5 24 VDC, GM-U 6 24 VDC	EMR SU21J 2 changers	
GM-U 6 12 VDC	EMR SU21I 2 changers	
GM-U 5 36 VDC	EMR SU21K 2 changers	
GM-U 5 48 VDC, GM-U 6 48 VDC	EMR SU21L 2 changers	
GM-I 10	EMR SI23O 1 NC contact, 1 NO contact	
GM-I 11	EMR SI23P 1 NC contact, 1 NO contact	

Comparison list solid state relays

Old types	Replaced by	Differences
HRB D 2830	HD D2825K	New wide 22,5mm instead off 37,1mm
HRB D 6630 HRC D 6635	HD D6035K	New wide 22,5mm instead off 37,1mm bzw. 44,5mm
HRC D 6645 HRC D 6655	HD D6050K	New wide 22,5mm instead off 44,5mm
HRC D 6665	HD D6075K	New wide 22,5mm instead off 44,5mm
HRK 0,5C	HK 0,9	0,9°C/W
HRK 0,5LB 230	HK 0,3 LB 230	Offered only as a combination of fan and heat sink
HRK 0,8	HK 0,9	0,9°C/W
HRK 0,8LB 230	HK 0,3 LB 230	Offered only as a combination of fan and heat sink
HRK 1,7C	HK 2,2	2,2°C/W
HRK 5,0	No Replacement	
HRL 440 A 0,5R HRL 440 A 1,5R HRL 440 A 3,0R HRL 440 D 0,5R HRL 440 D 1,5R HRL 440 D 3,0R	HL D5208R	Only DC-Control 3x8,5A
HRL 480 A 25 HRL 480 A 40 HRL 480 A 55	HL A5250	3x50A
HRL 480 D 25 HRL 480 D 40 HRL 480 D 55	HL D5250	3x50A
HRM D 2403	HM D2704	New 4A instead off 3A
HRM D06D03	HM D0603D	
HRM PG1	HM D2704 PG HM D0603D PG HM D6004 PG	Available only in combination with relay
HRP 240 D3	No Replacement	
HRQ D 4810L	HQ D6010L	
HRQ D 4810H	HQ D6010H	
HRQ PG1	HQ D6010L PG HQ D6010H PG	Available only in combination with relay
HRS A 2410 HRS A 2425	HS A2825	Input 185...265Vac/dc Output 12..280/25A
HRS A 2450	HS A5150	Input 20...265Vac/dc Output 24...510VAC/50
HRS A 2490 HRS AD 4890E	HS A5175	Input 20...265Vac/dc Output 24...510VAC/75A

Comparison list solid state relays

Old types	Replaced by	Differences
HRS 240 D5 HRS 240 D10 HRS 240 D25 HRS D 2402 HRS D 2402 HRS D 2410 HRS D 2425	HS D2825	25A
HRS 440 D30 HRS D 4825	HS D6035	Output 24...600Vac/35A
HRS 240 D45 HRS 440 D45 HRS 530 D45 HRS D 2450 HRS D 4850 HRS D6650	HS D6050	Output 24...600Vac/50A
HRS D 4825D HRS D 4840D	No Replacement	
HRS 530 D80 HRS D 4890 HRS D 6690	HS D6075	Output 24...600Vac/75A
HRS D 48125	HS D51125	Output 24...510Vac/125A
HRS D 5325M HRS D 5350M	HS D5135M	Output 24...510Vac/35A
HRS D1D07 HRS D1D12 HRS D2D07 HRS D2D12	HS D1120D	Output 5...110Vdc/20A
HRS D1D40	HS D1140D	Output 5...110Vdc/40A
HRT D 4805H	HT D6005H	Output 24...600Vac
HRT D 4805L	HT D6005L	Output 24...600Vac
HRT PG1	HM D6004 PG	Available only in combination with relay
HRV A 4825 HRV A 5150	HL A5250	Output 24...520Vac/50A
HRV D 4825 HRV D 4850	HL D5250	Output 24...520Vac/50A
SA 2 SA 3	No Replacement	All relays have an existing terminal cover
TS 70 TS 90	TS 90 M6	Only for HK 0,9
V250 1PH V460 1PH V460 3PH	No Replacement	All relays have a surge protector
WLF 1PH WLF 3PH	No Replacement	All relays are supplied with heat conducting