

DIN RAIL MOUNTABLE PRODUCTS

MCBs

ISOLATORS

LOAD BREAK
SWITCHES

MODULAR
DEVICES

RESIDUAL
CURRENT
DEVICES

SURGE
PROTECTION
DEVICES



INTRODUCTION

Gewiss Products at Electrical Importing Company

GEWISS is an international leader in the production of systems and components for low voltage electrical installations. The fact that development is seen as a constant management feature has permitted GEWISS to assert itself as a reference leader for the electro-technical market in the creation of solutions for distribution, energy and the lighting industry. It is now present in Italy, France, Germany, United Kingdom, Spain, Portugal, China, Russia, Romania, Chile, United Arab Emirates, and in a further 80 countries around the world.

EIC choose to support the best quality European brands across the market to supply in New Zealand and GEWISS has one of the highest reputations industry wide.



SUMMARY

DIN Rail Mountable Protection Devices

The GEWISS range of protection devices are designed to work together perfectly, covering:

Modular Circuit Breakers for Circuit Protection

The 90 MCB range meets any requirement for protection against overcurrent and short-circuit, for all domestic, commercial and industrial applications. The range comprises:

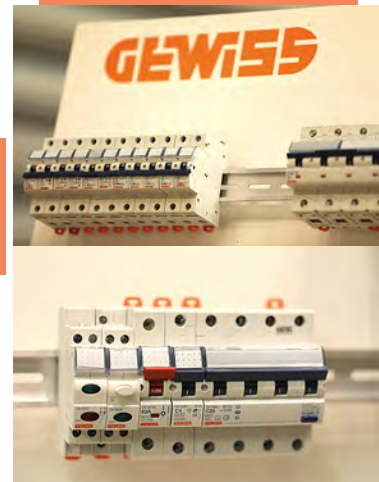
MTC - Compact miniature circuit breakers, MT - Traditional miniature circuit breakers, MTHP - High-Performance miniature circuit breakers.

Modular Circuit Breakers for Residual Current Protection

The 90 RCD range built to meet ground fault protection requirement for any area of application. The range comprises: Residual current circuit breakers RCCB/RCD and Residual current circuit breakers with over-current protection RCBO.

Modular Accessories

The 90 AM range, in addition to auxiliaries common for the all circuit breakers, comprises many modular accessories for the protection, command, programming, measurement and signaling in electrical systems. This includes auxiliary contacts, shunt trips, busbars, isolators, surge protectors, transformers, contactors, relays, indicator lights, buzzers, meters and time switches.



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MCB - MINIATURE CIRCUIT BREAKERS

The 90 MCB range meets any requirement for **protection** against **overcurrent** and **short-circuit**, for all domestic, commercial and industrial applications. The range comprises:

MTC - Compact Miniature Circuit Breakers (from 6 to 32 A, curves C and B)

MT - Traditional Miniature Circuit Breakers (from 1 to 63 A, curves B, C and D)

MTHP - High-Performance Miniature Circuit Breakers (from 50 to 125 A, curves C and D)

MTC60 / MT60 - 6kA

| MCB RANGE - 6kA | | MTC60 | MT60 | | |
|---------------------|--------------------------------------|---------|---------|----------|---------|
| EN60898 & EN60947-2 | No. OF POLES | 1P + N | 1P | 2P | 3P |
| CURVE | WIDTH x17.5mm RATED CURRENT | 1M | 1M | 2M | 3M |
| | | 230V | 230V | 230-400V | |
| C | 1A | | GW92001 | GW92041 | GW92061 |
| | 2A | | GW92002 | GW92042 | GW92062 |
| | 4A | | GW92004 | GW92044 | GW92064 |
| | 6A | GW90225 | GW92005 | GW92045 | GW92065 |
| | 10A | GW90226 | GW92006 | GW92046 | GW92066 |
| | 16A | GW90227 | GW92007 | GW92047 | GW92067 |
| | 20A | GW90228 | GW92008 | GW92048 | GW92068 |
| | 25A | GW90229 | GW92009 | GW92049 | GW92069 |
| | 32A | GW90230 | GW92010 | GW92050 | GW92070 |
| | 40A | | GW92011 | GW92051 | GW92071 |
| | 50A | | GW92012 | GW92052 | GW92072 |
| 63A | | GW92013 | GW92053 | GW92073 | |
| B | 6A | GW90325 | GW92205 | GW92245 | GW92265 |
| | 10A | GW90326 | GW92206 | GW92246 | GW92266 |
| | 16A | GW90328 | GW92207 | GW92247 | GW92267 |
| | 20A | GW90329 | GW92208 | GW92248 | GW92268 |
| | 25A | GW90330 | GW92209 | GW92249 | GW92269 |
| | 32A | GW90331 | GW92210 | GW92250 | GW92270 |
| | 40A | | GW92211 | GW92251 | GW92271 |
| | 50A | | GW92212 | GW92252 | GW92272 |
| 63A | | GW92213 | GW92253 | GW92273 | |

MCB - MINIATURE CIRCUIT BREAKERS

MT100 - 10kA

MT100

| BREAKING CAPACITY 1P | | |
|----------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=1-25A | 10000A | 15kA |
| In=32-63A | 10000A | 12.5kA |

| BREAKING CAPACITY 2P | | |
|----------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=1-25A | 10000A | 30kA |
| In=32-63A | 10000A | 25kA |

| BREAKING CAPACITY 2P | | |
|----------------------|---------|-----------|
| 400V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=1-25A | 10000A | 20kA |
| In=32-63A | 10000A | 15kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=1-25A | 10000A | 25kA |
| In=32-63A | 10000A | 20kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|---------|-----------|
| 400V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=1-25A | 10000A | 15kA |
| In=32-63A | 10000A | 12.5kA |

| MCB RANGE - 10kA | | MT100 | | | |
|---------------------|--------------------------------------|---------|----------|---------|---------|
| EN60898 & EN60947-2 | No. OF POLES | 1P | 2P | 3P | 4P |
| CURVE | WIDTH x17.5mm RATED CURRENT | 1M | 2M | 3M | 4M |
| | | 230V | 230-400V | | |
| C | 6A | GW92605 | GW92645 | GW92665 | GW92685 |
| | 10A | GW92606 | GW92646 | GW92666 | GW92686 |
| | 16A | GW92607 | GW92647 | GW92667 | GW92687 |
| | 20A | GW92608 | GW92648 | GW92668 | GW92688 |
| | 25A | GW92609 | GW92649 | GW92669 | GW92689 |
| | 32A | GW92610 | GW92650 | GW92670 | GW92690 |
| | 40A | GW92611 | GW92651 | GW92671 | GW92691 |
| | 50A | GW92612 | GW92652 | GW92672 | GW92692 |
| | 63A | GW92613 | GW92653 | GW92673 | GW92693 |
| D | 1A | | | | GW92781 |
| | 2A | GW92702 | | GW92762 | GW92782 |
| | 4A | GW92704 | | GW92764 | GW92784 |
| | 6A | GW92705 | GW92745 | GW92765 | GW92785 |
| | 10A | GW92706 | GW92746 | GW92766 | GW92786 |
| | 16A | GW92707 | GW92747 | GW92767 | GW92787 |
| | 20A | GW92708 | GW92748 | GW92768 | GW92788 |
| | 25A | GW92709 | GW92749 | GW92769 | GW92789 |
| | 32A | GW92710 | GW92750 | GW92770 | GW92790 |
| 40A | GW92711 | GW92751 | GW92771 | GW92791 | |



GW92710



GW92645



GW92667



GW92785

MTHP160 - 10kA

MTHP - HIGH PERFORMANCE

| BREAKING CAPACITY 1P | | |
|----------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=50-125A | 10000A | 16kA |

| BREAKING CAPACITY 1P | |
|----------------------|-----------|
| 400V | EN60947-2 |
| | Icu |
| In=50-125A | 4.5kA |

| BREAKING CAPACITY 2-3-4P | | |
|--------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=50-125A | 10000A | 20kA |

| BREAKING CAPACITY 2-3-4P | | |
|--------------------------|---------|-----------|
| 400V | EN60898 | EN60947-2 |
| | Icn | Icu |
| In=50-125A | 10000A | 16kA |

| MCB RANGE - 10kA | | MTHP160 | | | |
|---------------------|--|------------|---------|---------|---------|
| EN60898 & EN60947-2 | No. OF POLES | 1P | 2P | 3P | 4P |
| CURVE | WIDTH x17.5mm RATED CURRENT | 1.5M | 3M | 4.5M | 6M |
| | | 230 - 400V | | | |
| C | 80A | GW93307 | GW93327 | GW93337 | GW93347 |
| | 100A | GW93308 | | GW93338 | GW93348 |
| | 125A | GW93309 | | GW93339 | GW93349 |
| D | 50A | GW93355 | | GW93385 | GW93395 |
| | 63A | GW93356 | | GW93386 | GW93363 |
| | 80A | GW93357 | | GW93387 | GW93397 |
| | 100A | GW93358 | | GW93388 | GW93398 |

FOR FURTHER DETAILS ON THE HIGH PERFORMANCE SERIES GO TO WWW.EIC.NZ

The MTHP range are also supplied with a 'kit for cable terminal wiring and pole separators'.

MTHP160



GW93355



GW93327



GW93337



GW93349

Auxiliary contacts and other accessories on page: 7

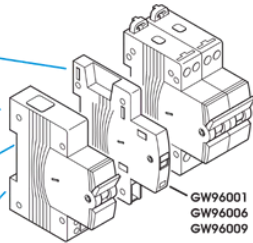
ACCESSORIES FOR MTC/MT/MTHP/MDC SERIES

| ACCESSORIES FOR MT/MTC/MTHP/MDC SERIES | | |
|--|---|------------|
| PART NUMBER | DESCRIPTION | WIDTH |
| GWD6766 | SPACER INSERT | 0.5M - 9mm |
| GW96041 | MCB/RCBO PADLOCKABLE BLOCK | - |
| GW96001 | AUXILIARY CONTACT OPEN/CLOSED POSITION 1CO | 0.5M - 9mm |
| GW96006 | AUXILIARY CONTACT FAULT TRIP ONLY 1CO | |
| GW96009 | AUXILIARY CONTACT WITH SELECTABLE FAULT TRIP ONLY OR POSITION | |
| GW96011 | SHUNT TRIP MODULE 12-48V AC/DC | 1M |
| GW96012 | SHUNT TRIP MODULE 110-125V DC/110-415V AC | |
| GW96016 | UNDER VOLTAGE RELEASE 230V AC | |
| GW90896 | CM-RESTART REMOTE CONTROL MODULE FOR MT/MTC/MDC 230V | 2M |



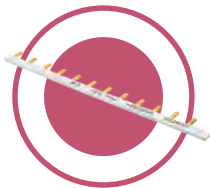
Up to max 2 accessories can be fitted to each breaker

| | |
|-----------------------|----------------|
| Shunt Trip Modules | |
| 110-125dc 110-415ac | GW96012 |
| Under Voltage Release | |
| 230ac | GW96016 |



INSULATED BUSBARS FOR MT/MDC/SD SERIES

PIN TYPE



GW96984



GW96961

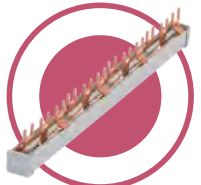


GW96964

| BUSBARS TO SUIT: MT/MDC/SD/IDP CIRCUIT BREAKERS | | | |
|---|--|---------------|-------------------------------|
| PIN TYPE BUSBARS PART NUMBER | No. OF POLES | RATED CURRENT | FORK TYPE BUSBARS PART NUMBER |
| LENGTH: 12 MODULES (complete with end caps) | | | |
| GW96984 | 1P | 63A | GW96992 |
| GW96985 | 2P | | GW96993 |
| GW96986 | 3P | | GW96994 |
| GW96987 | 4P | 80A | GW96995 |
| LENGTH: 56 MODULES (1 METRE) | | | |
| GW96988* | 1P | 63A | GW96996 |
| GW96989 | 2P | | GW96997 |
| GW96990 | 3P | | GW96998 |
| GW96991 | 4P | 80A | GW96999 |
| CONNECTION TERMINAL FOR PIN BUSBARS 1P, 2P, 3P | | | |
| GW96961 | LENGTH 14mm, 25mm ² CONDUCTOR | - | |

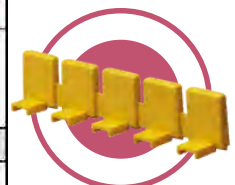
* Also suitable for MTC series

FORK TYPE



GW96992

| END CAPS FOR BUSBARS | | |
|---------------------------|------------------------------------|---|
| PART NUMBER | No. OF POLES | TYPE |
| GW96963 | 1P | ONLY FOR FORK BUSBARS |
| GW96964 | 2P | SUITABLE FOR PIN TYPE AND FORK TYPE BUSBARS |
| GW96965 | 3P | |
| GW96966 | 4P | |
| PIN/FORK PROTECTION COVER | | |
| GW96967 | PIN/FORK PROTECTION CAP - ROW OF 5 | |



GW96967

MSS ROTARY LOAD BREAK SWITCHES

The MSS rotary control switch disconnectors guarantee robustness and reliability in the control and isolation of circuits up to 630A. The MSS disconnectors, guarantee a high performance both with alternating current and direct current ensuring the maximum hold in the event of short-circuit or a high number operations in dangerous conditions.



GW97721



GW97727



GW97729



GW97731



GW97761

| MSS ROTARY LOAD BREAK SWITCHES | | | | | | | | | |
|--------------------------------|--------------|---------|------------|---------|---------------------|---------|---------------------|---------|----------------------------------|
| | MSS 125 | | MSS 160 | | MSS 250 | | MSS 630 | | MSS 125 3-way switch (I O II) |
| WIDTH X17.5mm | 6M - 107.5mm | | 8M - 142mm | | 3P 180mm / 4P 230mm | | 3P 230mm / 4P 290mm | | 12M - 215mm |
| RATED CURRENT | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 4P |
| 63A | GW97721 | GW97724 | - | - | - | - | - | - | - |
| 100A | GW97722 | GW97725 | - | - | - | - | - | - | - |
| 125A | GW97723 | GW97726 | - | - | - | - | - | - | GW97761 |
| 160A | - | - | GW97727 | GW97728 | - | - | - | - | - |
| 250A | - | - | - | - | GW97729 | GW97730 | - | - | - |
| 400A | - | - | - | - | - | - | GW97731 | GW97733 | - |
| 630A | - | - | - | - | - | - | GW97732 | GW97734 | - |



GW98521



GW98525

Handles include lockout function

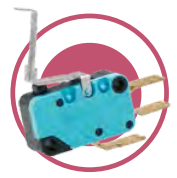
SEE WWW.EIC.NZ FOR TECHNICAL DETAILS

| DOOR INTERLOCK ROTARY HANDLES - IP65 | | | | |
|--------------------------------------|-------------------|-------------------|-------------------|---------------------------------|
| MSS 125 - MSS 160 | | MSS 250 - MSS 630 | | MSS 125 - 3-WAY SWITCH (I O II) |
| 200mm SHAFT | | 320mm SHAFT | | 200mm SHAFT |
| BLACK HANDLE | RED/YELLOW HANDLE | BLACK HANDLE | RED/YELLOW HANDLE | BLACK HANDLE |
| GW98521 | GW98524 | GW98522 | GW98525 | GW98523 |

| AUXILIARY CONTACTS | | |
|--------------------------------------|---------------------------------------|--|
| MSS 125 - MSS 160 | MSS 250 - MSS 630 | MSS 125 - 3-WAY SWITCH (I O II) |
| 1CO 5A - 250VAC MAX. 2 PER SWITCH | 1CO 16A - 250VAC MAX. 2 PER SWITCH | 1 PAIR x 1CO 5A - 250VAC MAX. 2 PAIR PER SWITCH |
| GW98514 | GW98515 | GW98516 |



GW98514



GW98515

| TERMINAL COVERS (TOP OR BOTTOM) | | | | |
|---------------------------------|---------|---------|---------|---------|
| MSS 160 | MSS 250 | | MSS 630 | |
| 3P - 4P | 3P | 4P | 3P | 4P |
| GW98508 | GW98509 | GW98510 | GW98511 | GW98512 |



GW98510

Other Load Break and Fused Load Break Switches are also available from EIC - Ghisalpa range

RCCB/RCD - RESIDUAL CURRENT CIRCUIT BREAKER

The 90 RCD range meets ground fault protection requirement for many area's of application.
The range comprises: Type A (up to 80A, sensitivity 10 to 300mA) and Type B (up to 80A, sensitivity 30mA)

IDP - TYPE A

| RCCB (RCD) - TYPE A | | | |
|---------------------|-------------|-------------|---------|
| RATED CURRENT | SENSITIVITY | PART NUMBER | |
| | | 2P (2M) | 4P (4M) |
| 25A | 10mA | GWD4011 | GWD4111 |
| | 30mA | GWD4012 | GWD4112 |
| | 100mA | GWD4013 | GWD4113 |
| | 300mA | GWD4014 | GWD4114 |
| 40A | 30mA | GWD4032 | GWD4132 |
| | 100mA | GWD4033 | GWD4133 |
| | 300mA | GWD4034 | GWD4134 |
| 63A | 30mA | GWD4052 | GWD4152 |
| | 100mA | GWD4053 | GWD4153 |
| | 300mA | GWD4054 | GWD4154 |
| 80A | 30mA | GWD4072 | GW94947 |

- GW94947 is a SD series RCCB 4M

Old SD type A is available, contact EIC for availability.



GWD4011



GWD4153



GW94947

SD & IDP - TYPE B

Type B RCCB will provide protection and reduce the risk of fault masking due to DC current leakage in an AC circuit.

Applications: Provides protection for Electric Vehicle Charging Systems, Elevator Controllers, Cranes and UPS Systems.

| IEC 62423 | | RCCB (RCD) - TYPE B[IR] | | | |
|---------------|-------------|-------------------------|-----------|----------|-----------|
| RATED CURRENT | SENSITIVITY | PART NUMBER | | | |
| | | 2P (4M) | | 4P (4M) | |
| | | SD (OLD) | IDP (NEW) | SD (OLD) | IDP (NEW) |
| 25A | 30mA | GW95701 | GWD4502 | GW95716 | GWD4527 |
| 40A | | GW95706 | GWD4507 | GW95721 | GWD4532 |
| 63A | | | GWD4512 | GW95726 | GWD4537 |
| 80A | | | | GW95731 | |

OLD



GW95701

NEW



GWD4502

ACCESSORIES SD & IDP - TYPE A /TYPE B[IR]

| ACCESSORIES IDP TYPE A & TYPE B[IR] RCCB | |
|--|---|
| PART NUMBER | DESCRIPTION |
| AUXILIARY CONTACTS | |
| GWD6002 | 1CO OPEN/CLOSED POSITION 0.5M |
| GWD6007 | 1CO FAULT TRIP INDICATION 0.5M |
| GWD6010 | 1CO SELECTABLE FAULT TRIP ONLY OR OPEN/CLOSED POSITION 0.5M |
| SHUNT TRIP RELEASE | |
| GWD6013 | 12-48V AC/DC 1M |
| GWD6015 | 110-125V DC / 110-415V AC 1M |
| OTHER ACCESSORIES | |
| GW96041 | PADLOCKING LEVER BLOCK |
| GWD6766 | SPACER INSERT 0.5M |
| ACCESSORIES SD TYPE A RCCB | |
| GW96003 | AUX CONTACT 1NO + 1NC 0.5M |
| GW96004 | AUX CONTACT 1NO + 1NC (FAULT TRIP ONLY) 0.5M |
| GW96015 | SHUNT TRIP RELEASE 230V AC 0.5M |
| ACCESSORIES SD TYPE B[IR] RCCB | |
| GW96007 | AUXILIARY CONTACT 1NO + 1NC 0.5M |

SEE WWW.EIC.NZ FOR MORE INFORMATION



GW96015



GW96007

RCBO - RESIDUAL CIRCUIT BREAKER + OVERLOAD

MDC series - Compact residual current circuit breaker with overcurrent protection (RCD + MCB)
(from 6 to 32A, B curve and C curve 6kA Type A 30mA).

MDC60

| BREAKING CAPACITY 1P+N,2P | | |
|---------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| In=6-32A | Icn | Icu |
| | 6000A | 10kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|---------|-----------|
| 400V | EN60898 | EN60947-2 |
| In=6-32A | Icn | Icu |
| | 6000A | 6kA |

| RCBO - TYPE A 30mA 6kA | | | | | | |
|------------------------|---------------|---------------|---------|---------|---------|---------|
| CURVE | No. OF POLES | | 1P+N | 2P | 3P | 4P |
| | RATED CURRENT | WIDTH x17.5mm | 2M | 2M | 3M | 4M |
| | | | 230V AC | | 400V AC | |
| C | 6A | | GW94305 | GW94325 | GW94345 | GW94365 |
| | 10A | | GW94306 | GW94326 | GW94346 | GW94366 |
| | 16A | | GW94307 | GW94327 | GW94347 | GW94367 |
| | 20A | | GW94308 | GW94328 | GW94348 | GW94368 |
| | 25A | | GW94309 | GW94329 | GW94349 | GW94369 |
| | 32A | | GW94310 | GW94330 | GW94350 | GW94370 |
| B | 6A | | GW95105 | GW95125 | GW95145 | GW95165 |
| | 10A | | GW95106 | GW95126 | GW95146 | GW95166 |
| | 16A | | GW95107 | GW95127 | GW95147 | GW95167 |
| | 20A | | GW95108 | GW95128 | GW95148 | GW95168 |
| | 25A | | GW95109 | GW95129 | GW95149 | GW95169 |
| | 32A | | GW95110 | GW95130 | GW95150 | GW95170 |

MDC60



GW94305



GW95125



GW94350



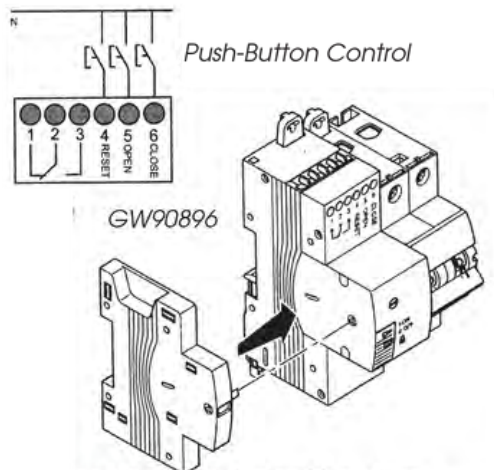
GW94370

RCBO ACCESSORIES

| ACCESSORIES FOR MDC60 RCBOs | | |
|-----------------------------|---|---------------|
| PART NUMBER | DESCRIPTION | WIDTH x17.5mm |
| GW96041 | MCB/RCBO PADLOCKABLE BLOCK | - |
| GW96001 | AUXILIARY CONTACT BLOCK OPEN/CLOSED POSITION 1C/O | 0.5M |
| GW96006 | AUXILIARY CONTACT FAULT TRIP INDICATION 1C/O | |
| GW96009 | AUXILIARY CONTACT SELECTABLE FAULT TRIP ONLY OR OPEN/CLOSED POSITION 1C/O | |
| GW96011 | SHUNT TRIP MODULE 12-48V AC/DC | 1M |
| GW96012 | SHUNT TRIP MODULE 110-125V DC/110-415V AC | |
| GW96016 | UNDER VOLTAGE RELEASE 230V AC | |
| GW90896 | CM-RESTART REMOTE CONTROL MODULE FOR RCBO 230V | 2M |

The "CM-Restart" - Motor operated device enables the remote control of MT/MTC MCBs and RCBOs.

SEE WWW.EIC.NZ FOR MORE INFORMATION



Can be fitted with Series 90 auxiliary contacts for MTC/MT/MDC (Maximum 2 accessories)



MODULAR ISOLATORS



1M

GW96146



2M

GW96157



3M

GW96168



4M

GW96179

| MODULAR ISOLATORS | | | EN60947 |
|-------------------|----------------|------------------|---------------|
| PART NUMBER | CURRENT RATING | RATED VOLTAGE AC | WIDTH x17.5MM |
| No. OF POLES: 1P | | | |
| GW96146 | 63A | 240V | 1M |
| GW96147 | 80A | | |
| GW96148 | 100A | | |
| GW96149 | 125A | | |
| No. OF POLES: 2P | | | |
| GW96114 | 32A | 415V | 2M |
| GW96156 | 63A | | |
| GW96157 | 80A | | |
| GW96158 | 100A | | |
| GW96159 | 125A | | |
| No. OF POLES: 3P | | | |
| GW96124 | 32A | 415V | 3M |
| GW96125 | 40A | | |
| GW96166 | 63A | | |
| GW96167 | 80A | | |
| GW96168 | 100A | | |
| GW96169 | 125A | | |
| No. OF POLES: 4P | | | |
| GW96176 | 63A | 415V | 4M |
| GW96178 | 100A | | |
| GW96179 | 125A | | |

Switch Disconnecter - Notes: They can be combined ONLY with an auxiliary position contact (GW96001 or GW96009, configured for open/closed position). They can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlock of max Ø 8 mm.

SPD - SURGE PROTECTION DEVICES

The LST range of type 2 SPDs provide protection against induced surge voltages.

Characteristics: SPDs are equipped with extractable cartridges with visible end-of-life-indicator.

Applications: Type 2 SPD are suitable for installation in distribution boards and machine control panels.

| SURGE PROTECTION DEVICES (SPD) TYPE 2 - LST RANGE | | | | | |
|---|-------------------------|---------------------------|------------------|-------------------------|----------------|
| | PART NUMBER | MAXIMUM DISCHARGE CURRENT | RATED VOLTAGE AC | AUX END-OF-LIFE CONTACT | WIDTH X 17.5mm |
| SUITABLE FOR NZ MEN (TNC-S) NETWORK | NUMBER OF POLES: 1P | | | | |
| | GWD6411 | 40kA | 230V | NO | 1M |
| | GWD6412 | | | YES | |
| | GWD6413 | 400V | NO | | |
| | NUMBER OF POLES: 1P + N | | | | |
| | GWD6417 | 40kA | 230V | NO | 2M |
| GWD6418 | YES | | | | |
| NUMBER OF POLES: 3P + N | | | | | |
| GWD6419 | 40kA | 400V | NO | 4M | |
| GWD6420 | | | YES | | |



| REPLACEMENT SPARE CARTRIDGES FOR LST TYPE 2 | | | |
|---|---------------------------|---------|------------------|
| PART NUMBER | MAXIMUM DISCHARGE CURRENT | TYPE | RATED VOLTAGE AC |
| SUITABLE FOR: GW6411, GWD6412, GWD6417 | | | |
| GWD6441 | 40kA | PHASE | 230V AC |
| SUITABLE FOR: GW6413, GWD6419, GWD6420 | | | |
| GWD6442 | 40kA | PHASE | 400V AC |
| SUITABLE FOR: GW6417 TO GW6420 | | | |
| GWD6443 | 40kA | NEUTRAL | - |



| SURGE PROTECTION FOR PHONE/DATA LINES - LST ADSL/PSTN RANGE | | | | |
|---|---------------------------|------------------|-------------------------|---------------|
| PART NUMBER | MAXIMUM DISCHARGE CURRENT | RATED VOLTAGE AC | AUX END-OF-LIFE CONTACT | WIDTH X17.5mm |
| GWD6430 | 10kA | 50V | No | 1M |



SEE WWW.EIC.NZ FOR MORE INFORMATION

MODULAR TRANSFORMERS

Bell Transformers - for intermittent use

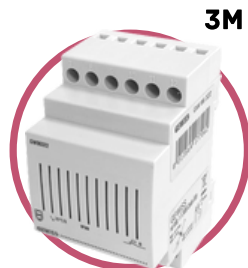
Applications: Distribution and realisation of SELV very low voltage safety circuits, with a value lower or equal to 24V. They allow electrical separation between the primary and secondary circuits, thus allowing supply to bells and similar discontinuous operation signalling devices. They can also be used to supply the shunt trip release GW96011 with a rated voltage up to 24V AC.

Safety Transformers - for continuous use

| MODULAR TRANSFORMERS - PRIMARY VOLTAGE 230V AC | | | |
|---|--------------------------------------|-------------------|----------------|
| PART NUMBER | POWER RATING | SECONDARY VOLTAGE | WIDTH X 17.5mm |
| STANDARD SAFETY TRANSFORMERS | | | |
| GW96321 | 15VA (12/24V) | 12 + 12 = 24V | 3M |
| GW96322 | 25VA (12/24V) | 12 + 12 = 24V | |
| GW96323 | 40VA (12/24V) | 12 + 12 = 24V | 4M |
| GW96324 | 63VA (12/24V) | 12 + 12 = 24V | 6M |
| BELL TRANSFORMERS (FOR INTERMITTANT DUTY) - PRIMARY VOLTAGE 230V AC | | | |
| GW96421 | 6VA (12V) - 4VA (8V) - 2VA (4V) | 4 + 8 = 12V | 2M |
| GW96423 | 10VA (12V) - 6.6VA (8V) - 3.3VA (4V) | 4 + 8 = 12V | |
| GW96425 | 15VA (12V) - 10VA (8V) - 5VA (4V) | 4 + 8 = 12V | |
| GW96426 | 15VA (24V) - 7.5VA (12V) | 12 + 12 = 24V | 3M |
| GW96432 | 30VA (24V) - 15VA (12V) | 12 + 12 = 24V | |
| GW96434 | 40VA (24V) - 20VA (12V) | 12 + 12 = 24V | |



GW96421



GW96322



GW96323



GW96324

MODULAR BELL AND BUZZER

| MODULAR BELL AND BUZZER | | | |
|-------------------------|----------------|----------------|--------------|
| PART NUMBER | SUPPLY VOLTAGE | WIDTH X 17.5mm | POWER RATING |
| BELL | | | |
| GW96402 | 230VAC | 1M | 10VA |
| BUZZER | | | |
| GW96407 | 230VAC | 1M | 10VA |



GW96402



GW96407

Applications: Acoustic signal of an operation in the domestic and commercial sectors.

RELAYS

Installation Relays

Applications: Command of low voltage circuits with high number of switchovers (lighting, heating and ventilation systems), they have a three position built-in toggle handle switch (A-O-I) to enable permanent opening or closing manually independently of the external commands:

Position A: automatic operation as a momentary relay.

Position O: operation as a manually command momentary relay (contacts locked mechanically in the rest state).

Position I: operation as a manually commanded momentary relay (contacts switched without the need for a remote control with return to automatic on A as soon as the lever is released).

Characteristics: Relay with single stable state; the contacts are maintained in switched position only while the control coil is supplied.

| INSTALLATION RELAYS 16A RLM | | | |
|-----------------------------|----------|--------------|----------------|
| PART NUMBER | CONTACTS | COIL VOLTAGE | WIDTH X 17.5mm |
| GWD6603 | 1NO | 24AC | 1M |
| GWD6604 | 1NO | 230AC | |
| GWD6624 | 2NO | | |
| GWD6630 | 2C/O | | |
| GWD6634 | 4NO | | 2M |



GWD6634



GWD6652



GWD6669



GWD6604

| LATCHING/STEPPING RELAYS 16A RLB | | | |
|----------------------------------|-----------|--------------|----------------|
| PART NUMBER | CONTACTS | COIL VOLTAGE | WIDTH X 17.5mm |
| GWD6642 | 1NO | 12AC | 1M |
| GWD6643 | | 24AC | |
| GWD6644 | | 230AC | |
| GWD6652 | 1NO + 1NC | 12AC | |
| GWD6653 | | 24AC | |
| GWD6654 | 1NO + 1NC | 230AC | |
| GWD6659 | 2NO | | |
| GWD6664 | 2C/O | | |
| GWD6669 | 4NO | | 2M |

Latching Relays

Applications: Control of lighting circuits in residential and commercial installations.

Characteristics: Relay with 2 stable states; every impulse to the coil switches over the contact's position that is maintained until the next signal.

| ACCESSORIES FOR RLB RELAYS ONLY | | |
|---------------------------------|--|----------------|
| PART NUMBER | DESCRIPTION | WIDTH X 17.5mm |
| GWD6676 | AUX CONTACT 1CO - AC1 CURRENT 4A | 0.5M |
| GWD6677 | AUX CONTACT 1NO + 1NC - AC1 CURRENT 4A | |
| GWD6678 | AUX CONTACT 2NO - AC1 CURRENT 4A | |



GWD6677

MODULAR CONTACTORS

Applications: They are used for automatic control of electrical devices with high number of operations. The switching of contacts happens when the coil is both energised and de-energised.

Characteristics: They can be combined with auxiliary contacts.

Note: It is suggested the use of spacer insert GWD6766 between adjacent contactors to ensure optimum operation.

| MODULAR CONTACTORS CTR | | | |
|--|-----------|---------------|----------------|
| PART NUMBER | CONTACTS | COIL VOLTAGE | WIDTH X 17.5mm |
| RATED CURRENT (AC - 1/AC - 7 a): 20A - CTR20 | | | |
| GWD6701 | 1NO | 230AC | 1M |
| GWD6702 | 2NO | 24AC | |
| GWD6703 | 2NO | 230AC | |
| GWD6705 | 2NC | | |
| GWD6707 | 1NO + 1NC | | |
| GWD6708 | 3NO | | |
| GWD6709 | 4NO | 2M | |
| RATED CURRENT (AC - 1/AC - 7 a): 25A - CTR25 | | | |
| GWD6713 | 3NO | 230AC - 220DC | 2M |
| GWD6714 | 4NO | 24AC/DC | |
| GWD6715 | | 230AC - 220DC | |
| GWD6716 | 4NC | 24AC/DC | |
| GWD6717 | 4NC | 230AC - 220DC | |
| GWD6718 | 3NO + 1NC | | |
| GWD6721 | 2NO | 230AC - 220DC | 3M |
| GWD6722 | 3NO | | |
| GWD6724 | 4NO | | |
| RATED CURRENT (AC - 1/AC - 7 a): 63A - CTR63 | | | |
| GWD6731 | 2NO | 230AC - 220DC | 3M |
| GWD6732 | 3NO | | |
| GWD6734 | 4NO | | |

| MANUAL CONTROL CONTACTORS CTRM | | | |
|---|----------|---------------|----------------|
| PART NUMBER | CONTACTS | COIL VOLTAGE | WIDTH X 17.5mm |
| RATED CURRENT (AC - 1/AC - 7 a): 20A - CTRM20 | | | |
| GWD6741 | 2NO | 24AC | 1M |
| GWD6742 | | 230AC | |
| RATED CURRENT (AC - 1/AC - 7 a): 25A - CTRM25 | | | |
| GWD6752 | 3NO | 230AC - 220DC | 2M |
| GWD6753 | 4NO | 24AC/DC | |
| GWD6754 | 4NO | 230AC - 220DC | |

Manual Control Contactors

Applications: They have a three position built-in toggle handle switch (A-O-I) to enable permanent opening or closing manually leaving out normal contactor function:

ACCESSORIES

| ACCESSORIES FOR CTR, CTRM & RLM CONTACTORS & RELAYS ONLY | | |
|--|--|----------------|
| PART NUMBER | DESCRIPTION | WIDTH X 17.5mm |
| GWD6761 | AUX CONTACT 2NO - AC1 CURRENT 6A | 0.5M |
| GWD6762 | AUX CONTACT 1NO + 1NC - AC1 CURRENT 6A | |



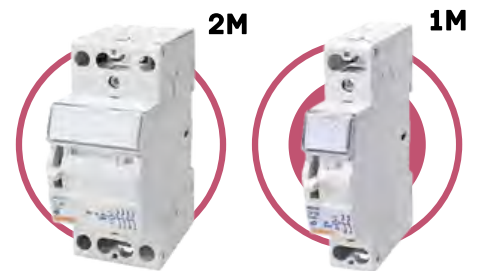
GWD6734

GWD6708



GWD6701

GWD6722



GWD6754

GWD6742

Position A: working as normal contactor.
Position O: working as manual control contactor (contacts locked mechanically)
Position I: working as manual control contactor (contacts are switched without control coil voltage). When coil is energised the toggle handle switch is automatically set to position A maintaining the previous contacts status.

CHANGE-OVER LEVER SWITCHES



1M

GW96554

| THREE-WAY LEVER SWITCHES (1-0-2) 230V AC | | | EN60947 |
|--|---------------|----------------|-------------------|
| PART NUMBER | WIDTH X17.5mm | CURRENT RATING | No. OF POLES |
| GW96553 | 1M | 16A | 1 POLE |
| GW96554 | | | 2 POLE |
| TWO-WAY SWITCH (1-2) 230V AC | | | |
| GW96555 | 1M | 16A | 2 POLE (1NO +1NC) |

Note: They can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks with max Ø 8 mm.

DIN MOUNT POWER POINTS & ROCKER SWITCHES



GW26409



GW26410



GW20503

| 20SYSTEM SERIES | |
|---------------------------------|---|
| PART NUMBER | DESCRIPTION |
| DIN RAIL CLIPS | |
| GW26409 | SINGLE GANG CLIP - 1.5M |
| GW26410 | DOUBLE GANG CLIP - 3M |
| SWITCH MODULES - SINGLE GANG | |
| GW20571 | 1-WAY SWITCH 230V AC 16AX 1P |
| GW20503 | 1-WAY SWITCH 230V AC 16AX 2P |
| GW20576 | 2-WAY SWITCH 230V AC 16AX 1P |
| GW20510 | PUSHBUTTON 230V AC 10A 1P N/O SPRING RETURN |
| GW20572 | 1-WAY SWITCH 230V AC 16AX 1P - BACKLIT |
| GW20577 | 2-WAY SWITCH 230V AC 16AX 1P - BACKLIT |
| NZ SOCKET OUTLETS - DOUBLE GANG | |
| GW20356 | 230V OUTLET 15A 2P+E - WHITE |
| GW20357 | 230V OUTLET 10A 2P+E - WHITE |
| GW21357 | 230V OUTLET 10A 2P+E - BLACK |

More products from the 20system series range can be found on www.eic.nz including: TV sockets, RJ45 sockets, blanking modules and speaker sockets.



GW20510



GW20572



GW20356



GW21357

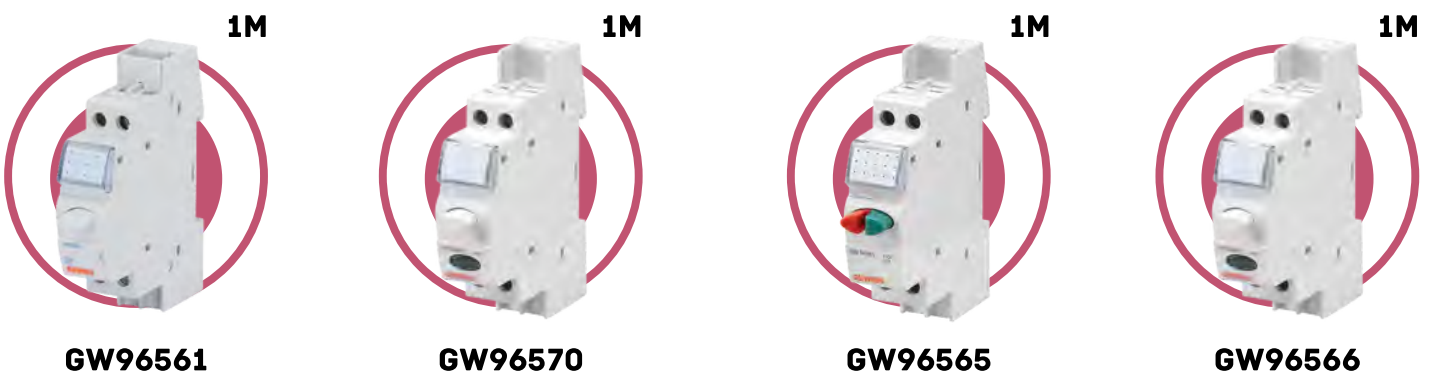
MODULAR LED INDICATOR LIGHTS

| MODULAR - LED INDICATOR LIGHTS | | |
|-------------------------------------|------------------------------|----------------|
| PART NUMBER | DESCRIPTION | WIDTH X 17.5mm |
| RATED VOLTAGE: 12 - 24 - 48 V AC/DC | | |
| GW96586 | SINGLE - COLOUR: RED | 1M |
| GW96587 | SINGLE - COLOUR: GREEN | |
| GW96588 | SINGLE - COLOUR: YELLOW | |
| GW96589 | SINGLE - COLOUR: BLUE | |
| GW96590 | SINGLE - COLOUR: WHITE | |
| RATED VOLTAGE: 230 V AC | | |
| GW96581 | SINGLE - COLOUR: RED | 1M |
| GW96582 | SINGLE - COLOUR: GREEN | |
| GW96583 | SINGLE - COLOUR: YELLOW | |
| GW96584 | SINGLE - COLOUR: BLUE | |
| GW96585 | SINGLE - COLOUR: WHITE | |
| GW96591 | DOUBLE - COLOUR: GREEN / RED | |
| GW96592 | TRIPLE - COLOUR: RED | |



MODULAR PUSH BUTTONS

| MODULAR PUSHBUTTONS | | | 16A | |
|--|---------------------------------------|----------------|-----------|-------|
| PART NUMBER | DESCRIPTION | WIDTH X 17.5mm | BUTTON | LENS |
| PUSHBUTTONS 230V AC | | | | |
| GW96561 | SINGLE PUSHBUTTON, CONTACTS - 1NO | 1M | GREY | - |
| GW96562 | SINGLE PUSHBUTTON, CONTACTS - 1NC | | | |
| GW96565 | DOUBLE PUSHBUTTON, CONTACTS - 1NO/1NC | | GREEN/RED | |
| PUSHBUTTONS WITH INDICATING LIGHT - RATED LAMP VOLTAGE: 12 - 24 - 48 V AC/DC LED | | | | |
| GW96570 | SINGLE PUSHBUTTON, CONTACTS - 1NO | 1M | GREY | GREEN |
| GW96571 | SINGLE PUSHBUTTON, CONTACTS - 1NC | | | RED |
| PUSHBUTTONS WITH INDICATING LIGHT - RATED LAMP VOLTAGE: 230V AC LED | | | | |
| GW96566 | SINGLE PUSHBUTTON, CONTACTS - 1NO | 1M | GREY | GREEN |
| GW96567 | SINGLE PUSHBUTTON, CONTACTS - 1NC | | | RED |



ANALOGUE & DIGITAL AMMETERS

| ANALOGUE AMMETERS FOR DIRECT CONNECTION | | |
|---|-------------|----------------|
| FULL SCALE CURRENT | PART NUMBER | WIDTH x 17.5mm |
| 10A | GW96871 | 3M |
| 20A | GW96872 | |
| 30A | GW96873 | |



GW96871

| PART NUMBER | GW96878 | GW96879 |
|-------------|--|--|
| TYPE | Analogue Ammeter for use with a 5A Current Transformer (CT) & Interchangeable scales | Digital Ammeter for use with a 5A Current Transformer (CT) |



GW96878



GW96879

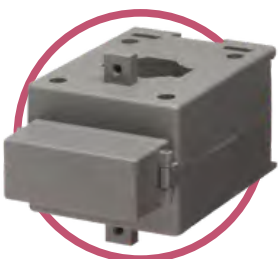
| FULL SCALE CURRENT | INTERCHANGEABLE SCALE | CURRENT TRANSFORMER |
|--------------------|-----------------------|---------------------|
| 40A | - | GW96443 |
| 50A | GW96972 | GW96444 |
| 60A | GW96973 | GW96445 |
| 100A | GW96974 | GW96446 |
| 150A | GW96975 | GW96447 |
| 250A | GW96976 | GW96448 |
| 400A | GW96977 | GW96449 |
| 600A | GW96978 | GW96450 |



GW96972 - GW96978

**FOR TECHNICAL SPECS
GO TO WWW.EIC.NZ**

Primary bar size max 30x10mm
Primary CT cable diameter Ø 23mm
Secondary current 5A



GW96443

Current Transformers

Characteristics: Primary circuit: through type (with a hole through which the busbar, or the cable constituting the primary, is passed). Transformers up to 600A can be installed on DIN rail.

Applications: Allow the measurement of high currents by analogue and digital ammeters; provide a current to the secondary which is proportional to the primary current.

ANALOGUE AND DIGITAL VOLTMETERS

SINGLE-PHASE VOLTMETERS WITH DIRECT CONNECTION

| ANALOGUE VOLTMETERS | | |
|---------------------|---|----------------|
| PART NUMBER | DESCRIPTION | WIDTH X 17.5mm |
| GW96861 | SCALE 0-300V AC 1PH, - ACCURACY 1.5% | 3M |
| GW96862 | SCALE 0-500V AC 1PH, - ACCURACY 1.5% | |
| DIGITAL VOLTMETER | | |
| GW96867 | SCALE 0-500V AC 1PH, - ACCURACY 0.5% SUPPLY VOLTAGE 230V AC | 2M |



GW96861



GW96867

FOR FURTHER DETAILS GO TO WWW.EIC.NZ

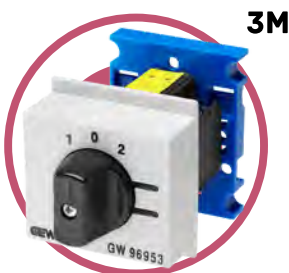
ROTARY SWITCHES

VOLTMETER, AMMETER AND LINE SELECTOR SWITCHES

| SELECTOR SWITCHES | | |
|-------------------|---|----------------|
| PART NUMBER | DESCRIPTION | WIDTH X 17.5mm |
| GW96953 | LINE 3 POSITION, 2P WITH 0 RETURN 16A-690V | 3M |
| GW96851 | VOLTMETER 4 POSITION, 3PH VOLTAGES, PHASE - NEUTRAL 16A-690V | |
| GW96852 | VOLTMETER 4 POSITION, 3 LINE VOLTAGES, PHASE - PHASE 16A-690V | |
| GW96853 | VOLTMETER 7 POSITION, 3 LINE + 3PH VOLTAGES, PHASE - PHASE & PHASE - NEUTRAL 16A-690V | |
| GW96856 | AMMETER 4 POSITION, 3 LINE CURRENTS 16A-690V | |

Line Switch Applications: DIN rail three-way switches usable for motor, pump and fan command.

Ammeter Switch Note: The GW96856 can also be used as a single-pole command three-way switch with 4 positions.



GW96953



GW96853



GW96856

ANALOGUE DAILY TIME SWITCHES



GWD6771



GWD6773

| ANALOGUE/ELECTROMECHANICAL TIME SWITCHES TMR | | | | |
|--|-----------------------------------|----------------|---------------|----------------|
| PART NUMBER | DESCRIPTION | CONTACT RATING | RATED VOLTAGE | WIDTH X 17.5mm |
| COMPACT DAILY TIME SWITCHES - 24 HOUR / 15 MINUTE INCREMENTS | | | | |
| GWD6771 | CONTACTS 1NO, NO RESERVE RATED | 16A | 230V AC | 1M |
| GWD6772 | CONTACTS 1NO, 150h RESERVE RATED | | | |
| DAILY TIME SWITCHES - 24 HOUR / 30 MINUTE INCREMENTS | | | | |
| GWD6773 | CONTACTS 1C/O, 150h RESERVE RATED | 16A | 230V AC | 2M |

Applications: Command and management of electrical loads according to daily programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.

Characteristics: Equipped with the switch for the choice of operating mode:

- OFF permanent mode
- Automatic (according to the set programming with the trippers)
- ON permanent mode

Compact Daily Time Switch Note: 24 hours quadrant with 96 trippers (minimum adjustment time: 15mins)

Daily Time Switch Note: 24 hours quadrant with 48 trippers (minimum adjustment time: 30mins)

DIGITAL DAILY & WEEKLY SWITCHES



GWD6781



GWD6783

| DIGITAL TIME SWITCHES TMR | | | | |
|--|--------------------------------------|----------------|---------------|----------------|
| PART NUMBER | DESCRIPTION | CONTACT RATING | RATED VOLTAGE | WIDTH X 17.5mm |
| COMPACT WEEKLY TIME SWITCHES | | | | |
| GWD6781 | CONTACTS 1NO, 4 YEARS RESERVE RATED | 16A | 230V AC | 1M |
| DAILY TIME SWITCHES WITH NFC INTERFACE | | | | |
| GWD6782 | CONTACTS 1C/O, 5 YEARS RESERVE RATED | 16A | 230V AC | 2M |
| GWD6783 | CONTACTS 2C/O, 5 YEARS RESERVE RATED | | | |

Applications: Command and management of electrical loads according to daily programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.

Weekly Time Switch Characteristics: The NFC interface allows the connection with smartphone and tablet to transfer the programs set on the time switch by means of the specific APP.

Particularly with the free Gewiss TimerOn APP you can:

- Create programs directly on your smartphone or tablet
- Transfer programs created onto several time switches
- Switch channels manually
- Obtain settings (date, time, coordinates) automatically and transfer them to the switch

Compact Weekly Time Switch Note: Quadrant with 48 trippers (minimum adjustment time: 30mins)

Weekly Time Switch Note: Maximum number of programs that can be stored: 120

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