

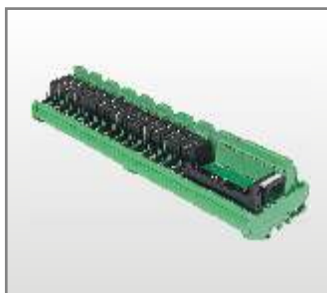
Connecting

Since 2014

Interface Module & Components



- HIGH QUALITY
- SHORT DELIVERY TIMES
- HIGHLY RELIABLE DELIVERY
- GREAT EXPERTISE
- PERSONAL ADVICE
- CUSTOMIZED SOLUTIONS



A Good Connection

Our goal at all times.



About Us

Agility Elektrotekniks Pvt. Ltd. founded in 2014 and its principal business activities comprises distribution of electronic & electrical components, electronic manufacturing services and assembling of cables & electrical control boxes / panels.

Company is franchised partner as electrical & electronic components distributor of premium manufacturers for electrical & electronic connectors, electro-mechanical & solid state relays, switches, push buttons, cables, tools, cable glands, enclosures and wire management systems.

Company has its own relay interface modules & electronic device manufacturing facilities along with cable assembly & assembly of control boxes/panels and is offering customer-specific, high-quality solutions.

YOUR BENEFITS AT A GLANCE

- ? Certified Quality
- ? Short delivery times due to high stock availability
- ? Personal, expert advice
- ? We break packaging units
- ? No minimum order value
- ? Reliable and flexible order processing
- ? Customized stockholding

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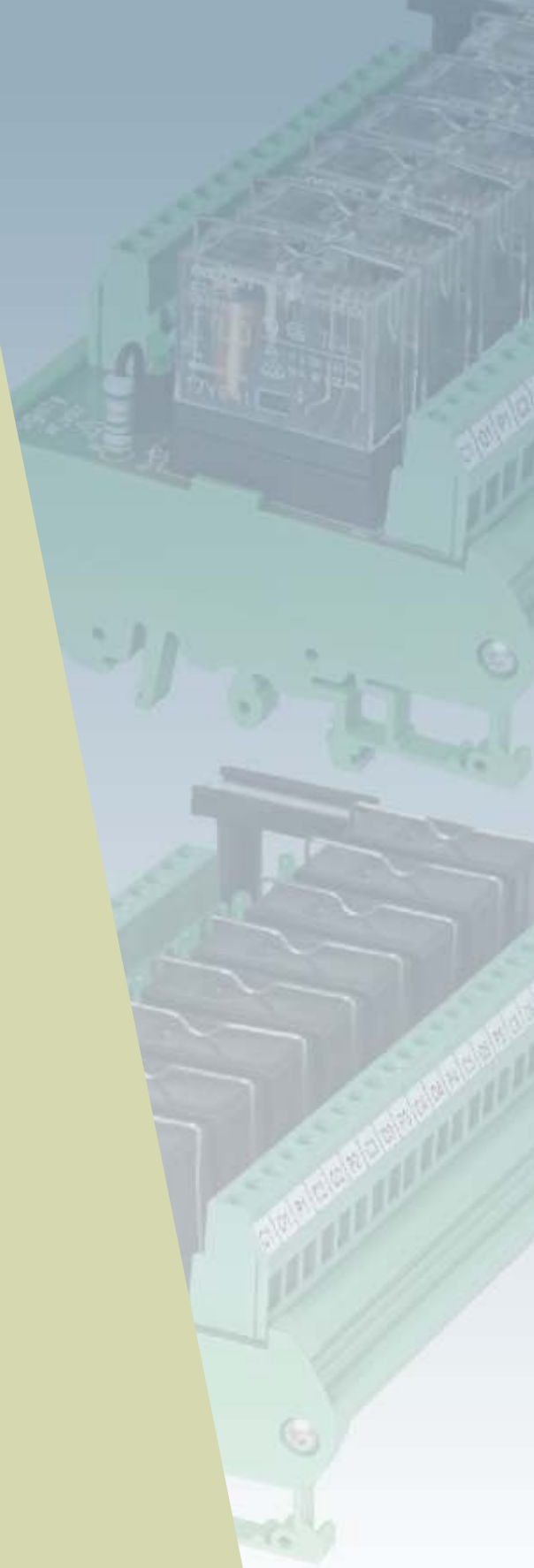
Agility Elektrotekniks is emerging as a leading company to provide the wiring interface solutions for electrical control system, provides best components and series at a single point.

Interface Relay Modules are the compact modules carrying a number of electromechanical/solid state relay on a single PCB along with the required screw/spring terminal and necessary protection signaling components.

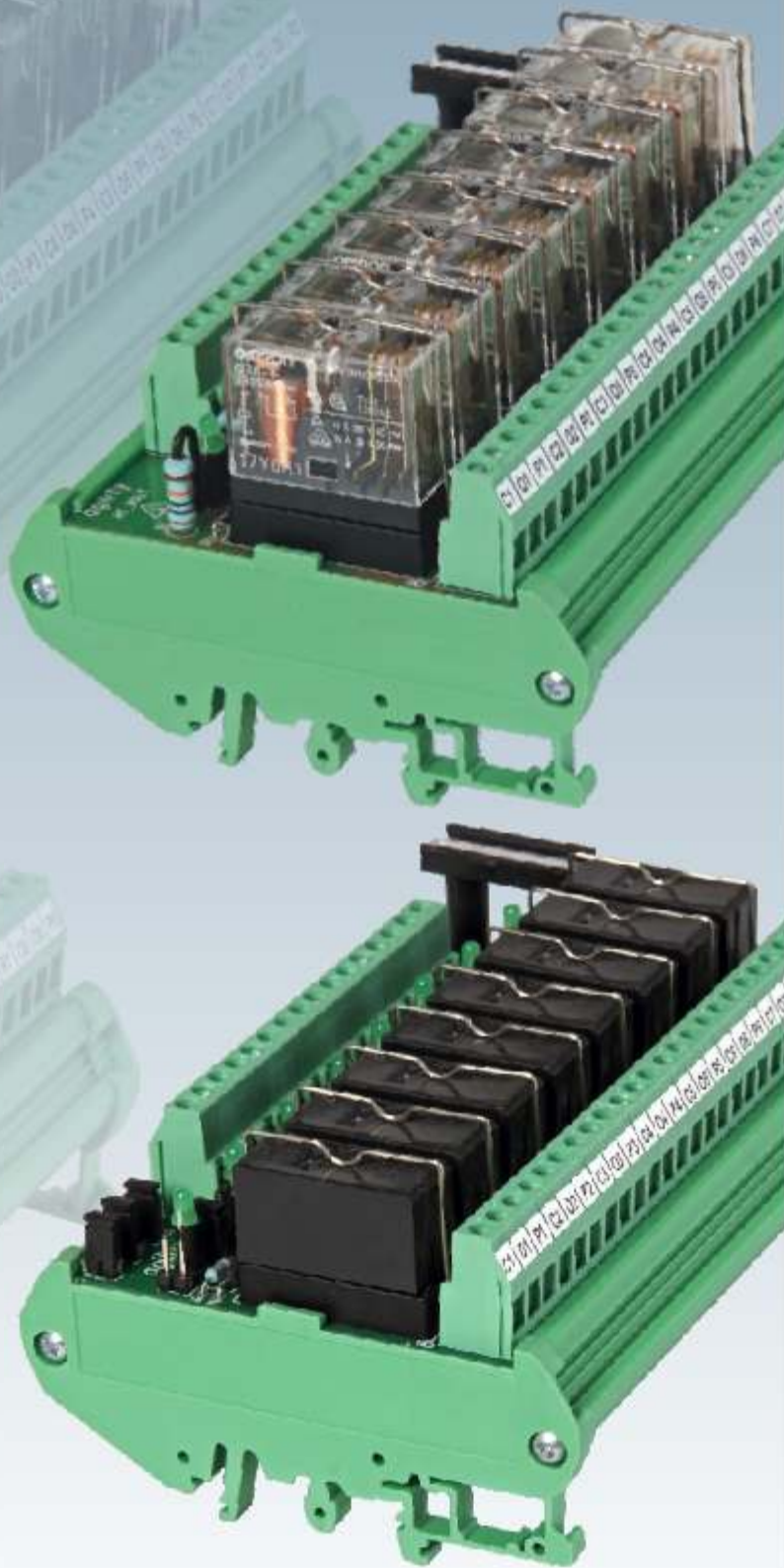
Interface Relay Module comes into use when flexible interface configuration with the large switching capacity required.

Interface Relay Modules having the following advantage:

- Compact size of module helps in simplified construction of the cabinets
- Visual indication for relay status, necessary protection circuits example free wheeling diode, Fuse protection with or without fuse blown indication.
- Universal DIN mountable
- Pluggable / Directly soldered Relays can be used
- On demand, can be customised
- Configured 1-16 relays on a single board
- Available in 1/2/4 change over



INTERFACE RELAY MODULE



Interface Solution from
AGILITY

www.agility.net.in

ONE CHANGE OVER - DC COIL VOLTAGE

Features

- Available in 1/2/4/6/8/16 Channels.
- Coil Voltage 5/12/24/48V DC.
- Switching Current 12A at 24V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with fully sealed relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/6/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	5V DC	12V DC	24V DC	48V DC
Coil resistance (Ohms)	62.5	360	1440	5358
Rated coil current (mA)	80.0	33.30	16.7	8.96
Must operate voltage	70% max. of rated voltage			
Must release voltage	10% max. of rated voltage			
Maximum voltage	130% at 85°C			
Power consumption (mW Approx.)	400	400	400	430

RELAY DATA

Relay make	OMRON G2R Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive)	12A at 250V AC / 24V DC
Maximum switching voltage	440V AC, 300V DC
Contact resistance	100mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

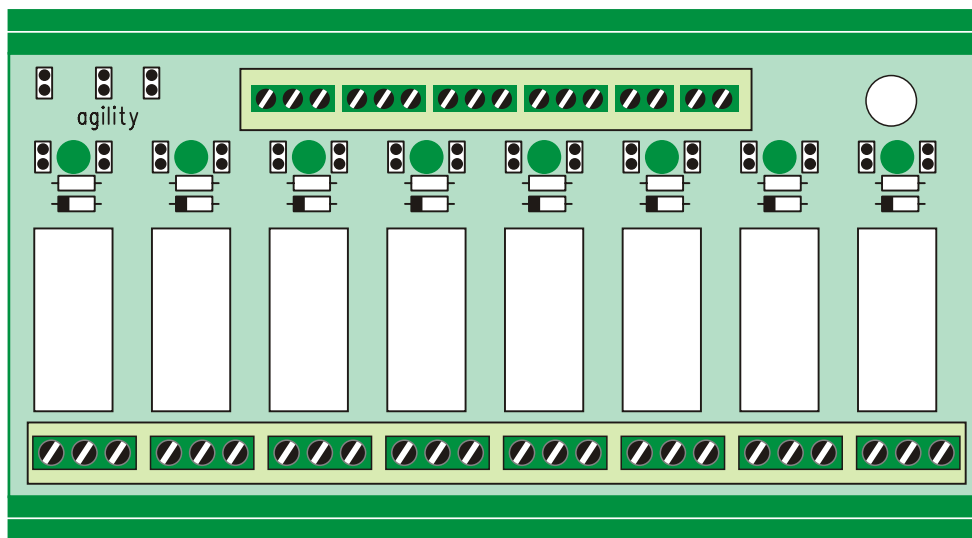
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

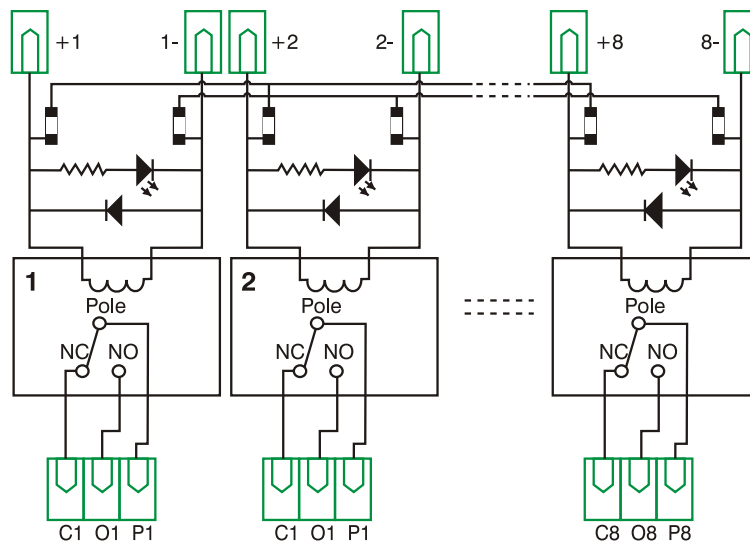
ORDERING INFORMATION

1 C/O 24V DC			1 C/O 12V DC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100197	AE-01-024D-1-B	21 x 90 x 60	11100207	AE-01-012D-1-B	21 x 90 x 60
11100196	AE-02-024D-1-B-C	36 x 90 x 60	11100208	AE-02-012D-1-B-C	36 x 90 x 60
11100195	AE-04-024D-1-B-C	66 x 90 x 60	11100209	AE-04-012D-1-B-C	66 x 90 x 60
11100194	AE-08-024D-1-B-C	128 x 90 x 60	11100210	AE-08-012D-1-B-C	128 x 90 x 60
11100193	AE-16-024D-1-B-C	252 x 90 x 60	11100211	AE-16-012D-1-B-C	252 x 90 x 60

Layout Diagram of AE-08-024D-1-B-C



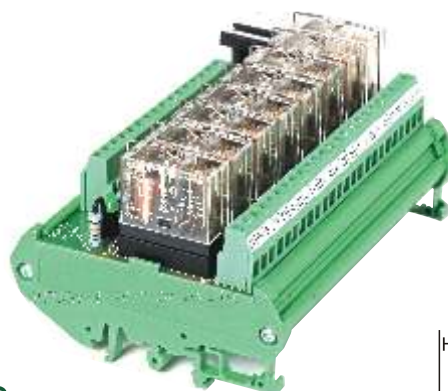
Connection Diagram of AE-08-024D-1-B-C



ONE CHANGE OVER - DC COIL VOLTAGE (WITH G2R RELAY)

Features

- Available in 1/2/4/6/8/16 Channels.
- Coil Voltage 5/12/24/48/110V DC.
- Switching Current 10A at 30V DC/ 230V AC.
- Freewheeling Diode across relay coil for protection.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with fully sealed relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/6/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	12V DC	24V DC	48V DC	100V DC
Coil resistance (Ohms)	275	1100	4170	18860
Rated coil current (mA)	43.6	21.8	11.5	5.3
Must operate voltage	80% max. of rated voltage			
Must release voltage	30% max. of rated voltage			
Maximum voltage	140% at 23°C			
Power consumption (mW Approx.)	530	530	530	530

RELAY DATA

Relay make	OMRON G2R Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	10A at 250V AC / 30V DC 7.5A at 250V AC/5A at 30V DC
Maximum switching voltage	380V AC, 125V DC
Contact resistance	30mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max. & AC: 10 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

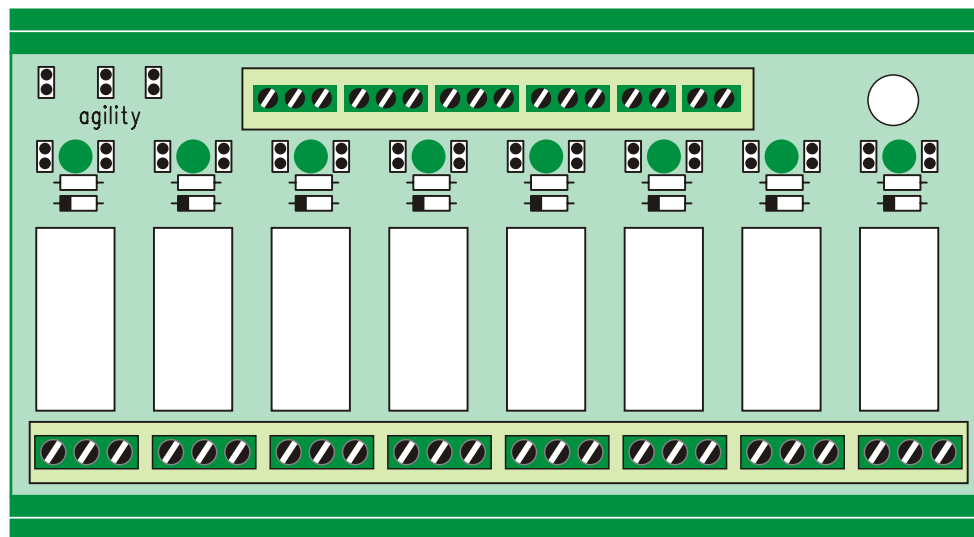
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

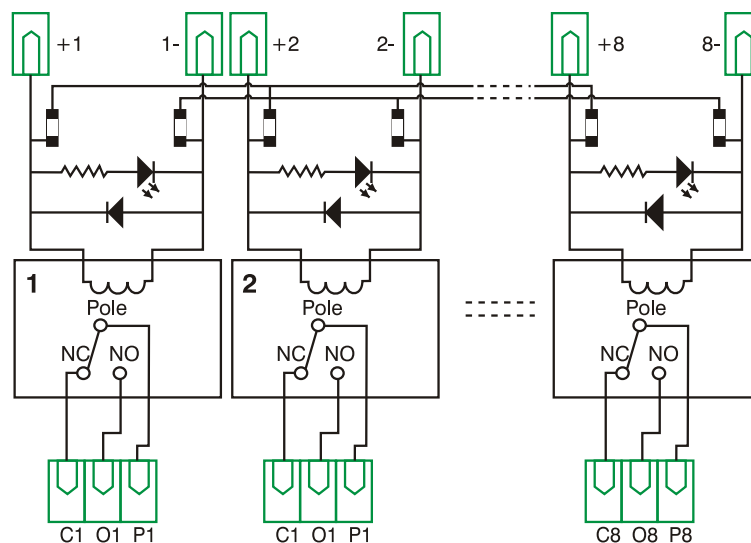
ORDERING INFORMATION

1 C/O 24V DC			1 C/O 24V DC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100001	AE-01-024D-1-B(G2R)	21 x 90 x 68	11100016	AE-01-012D-1-B(G2R)	21 x 90 x 68
11100002	AE-02-024D-1-B-C(G2R)	36 x 90 x 68	11100017	AE-02-012D-1-B-C(G2R)	36 x 90 x 68
11100003	AE-04-024D-1-B-C(G2R)	66 x 90 x 68	11100018	AE-04-012D-1-B-C(G2R)	66 x 90 x 68
11100004	AE-08-024D-1-B-C(G2R)	128 x 90 x 68	11100019	AE-08-012D-1-B-C(G2R)	128 x 90 x 68
11100005	AE-16-024D-1-B-C(G2R)	252 x 90 x 68	11100020	AE-16-012D-1-B-C(G2R)	252 x 90 x 68

Layout Diagram of AE-08-024D-1-B-C(G2R)



Connection Diagram of AE-08-024D-1-B-C(G2R)



ONE CHANGE OVER - AC COIL VOLTAGE

Features

- Available In 1/2/4/8/16 Channels.
- Coil Voltage 24/110/230V AC.
- Switching Current 10A at 30V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	24V AC	110V AC	230V AC
Coil resistance (Ohms)	260	4600	20200
Rated coil current (mA)	46.5	11.0	5.5
Must operate voltage	80% max. of rated voltage		
Must release voltage	30% max. of rated voltage		
Maximum voltage	140% at 23°C		
Power consumption (VA Approx.)	0.9	0.9	0.9
Other coil voltages	12V AC are available on request.		

RELAY DATA

Relay make	OMRON G2R Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	10A at 250V AC & 10A at 30V DC 7.5A at 250V AC & 5A at 30V DC
Maximum switching voltage	380V AC, 125V DC
Contact resistance	30mOhm max.
Operate time	15 ms max.
Release time	AC: 10 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)
Mechanical life expectancy	10,000,000 operations min for AC coil
Electrical life expectancy	100,000 operations min. (At max. Operations frequency & max. Load current)

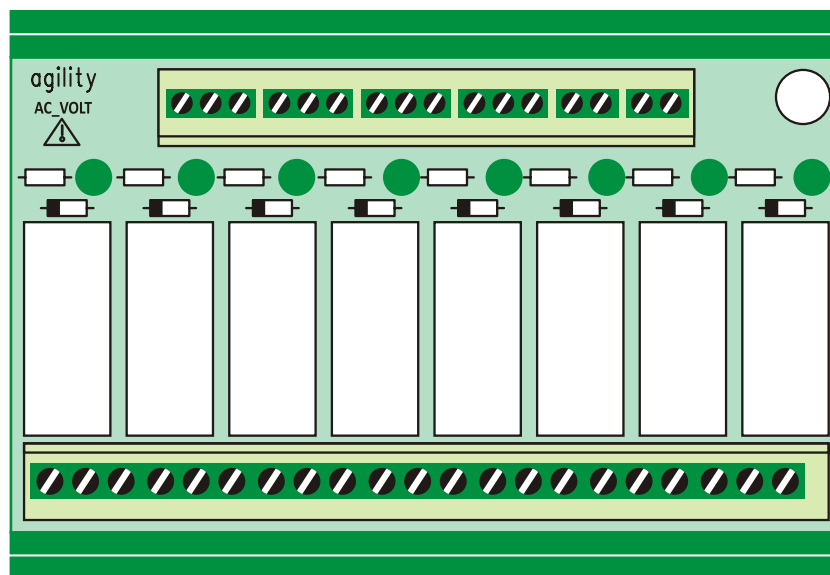
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

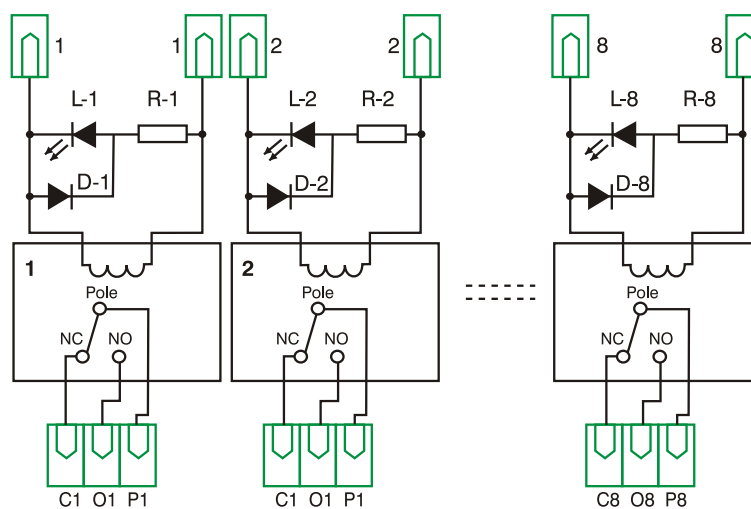
ORDERING INFORMATION

1 C/O 230V AC			1 C/O 110V AC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100251	AE-01-230A-1-B	21 x 90 x 70	11100252	AE-01-110A-1-B	21 x 90 x 70
11100250	AE-02-230A-1-B	36 x 90 x 70	11100253	AE-02-110A-1-B	36 x 90 x 70
11100249	AE-04-230A-1-B	66 x 90 x 70	11100254	AE-04-110A-1-B	66 x 90 x 70
11100234	AE-08-230A-1-B	128 x 90 x 70	11100247	AE-08-110A-1-B	128 x 90 x 70
11100248	AE-16-230A-1-B	252 x 90 x 70	11100255	AE-16-110A-1-B	252 x 90 x 70

Layout Diagram of AE-08-230A-1-B



Connection Diagram of AE-08-230A-1-B



TWO CHANGE OVER - DC COIL VOLTAGE

Features

- Available in 1/2/4/8/16 Channels
- Coil Voltage 5/12/24/48V DC
- Switching Current 5A at 30V DC/250V AC
- Freewheeling Diode across relay coil for protection
- Jumpers are provided for selection between positive/negative looping
- LED indication to denote relay actuation
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request
- Mountable on Universal DIN Rail



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	5V DC	12V DC	24V DC	48V DC
Coil resistance (Ohms)	62.5	360	1440	5358
Rated coil current (mA)	80.0	33.30	16.7	8.96
Must operate voltage	70% max. of rated voltage			
Must release voltage	10% max. of rated voltage			
Maximum voltage	130% at 85°C			
Power consumption (mW Approx.)	400	400	400	430

RELAY DATA

Relay make	OMRON G2RL-2 Series, Relay other than OMRON make available on request
Contact type	2 C/O (DPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	5A @ 250V AC/ 30V DC for 12V DC & 24V DC, 8A @ 250V AC/ 30V DC for 5V DC & 48V DC
Maximum switching voltage	440V AC, 300V DC
Contact resistance	100mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

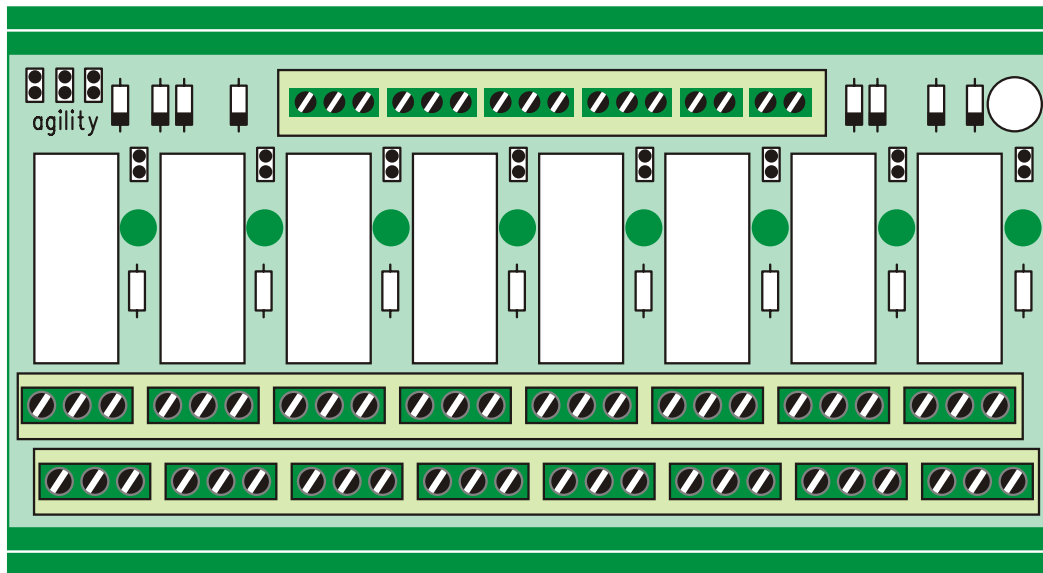
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

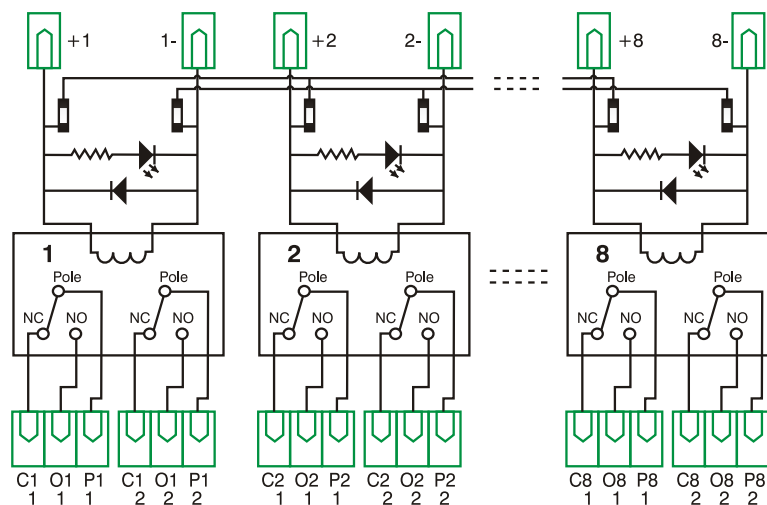
ORDERING INFORMATION

2 C/O 24V DC			2 C/O 12V DC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100212	AE-01-024D-2-B	24 x 90 x 66	11100216	AE-01-012D-2-B	24 x 90 x 66
11100213	AE-02-024D-2-B-C	44 x 90 x 66	11100217	AE-02-012D-2-B-C	44 x 90 x 66
11100214	AE-04-024D-2-B-C	82 x 90 x 66	11100218	AE-04-012D-2-B-C	82 x 90 x 66
11100202	AE-08-024D-2-B-C	159 x 90 x 66	11100219	AE-08-012D-2-B-C	159 x 90 x 66
11100203	AE-16-024D-2-B-C	312 x 90 x 66	11100220	AE-16-012D-2-B-C	312 x 90 x 66

Layout Diagram of AE-08-024D-2-B-C



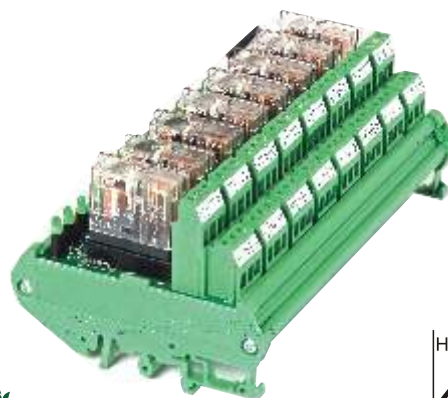
Connection Diagram of AE-08-024D-2-B-C



TWO CHANGE OVER - DC COIL VOLTAGE (WITH G2R RELAY)

Features

- Available in 1/2/4/8/16 Channels
- Coil Voltage 5/12/24/48/110V DC
- Switching Current 5A at 30V DC/230V AC
- Freewheeling Diode across relay coil for protection
- Jumpers are provided for selection between positive/negative looping
- LED indication to denote relay actuation
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request
- Mountable on Universal DIN Rail



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	12V DC	24V DC	48V DC	100V DC
Coil resistance (Ohms)	275	1100	4170	18860
Rated coil current (mA)	43.6	21.8	11.5	5.3
Must operate voltage	80% max. of rated voltage			
Must release voltage	30% max. of rated voltage			
Maximum voltage	140% at 23°C			
Power consumption (mW Approx.)	530	530	530	530

RELAY DATA

Relay make	OMRON G2RL Series, Relay other than OMRON make available on request
Contact type	2 C/O (DPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	5A at 250V AC/ 30V DC 2A at 250V AC, 3A at 30V DC
Maximum switching voltage	380V AC, 125V DC
Contact resistance	50mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max. & AC: 10 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

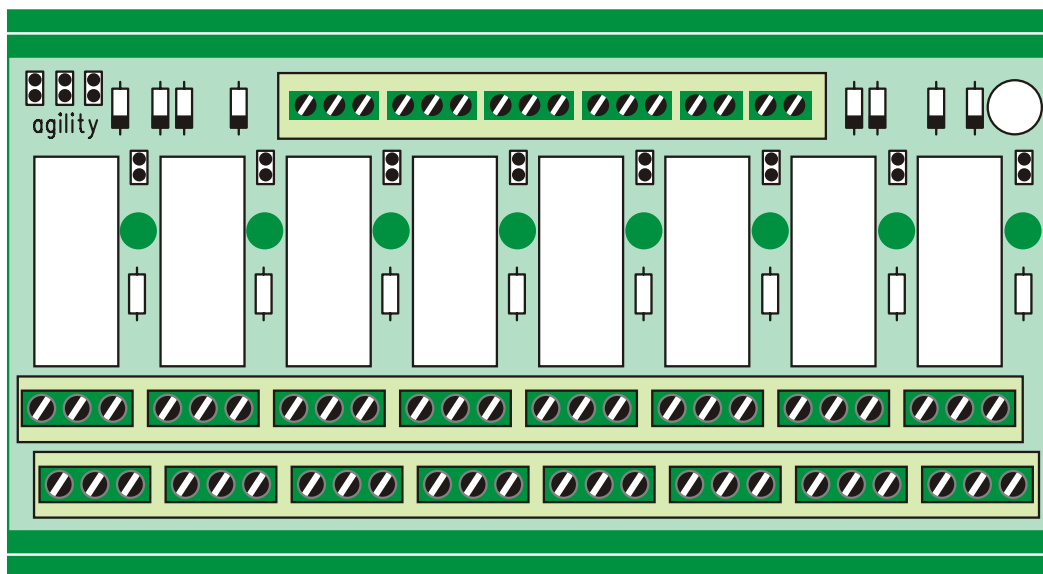
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

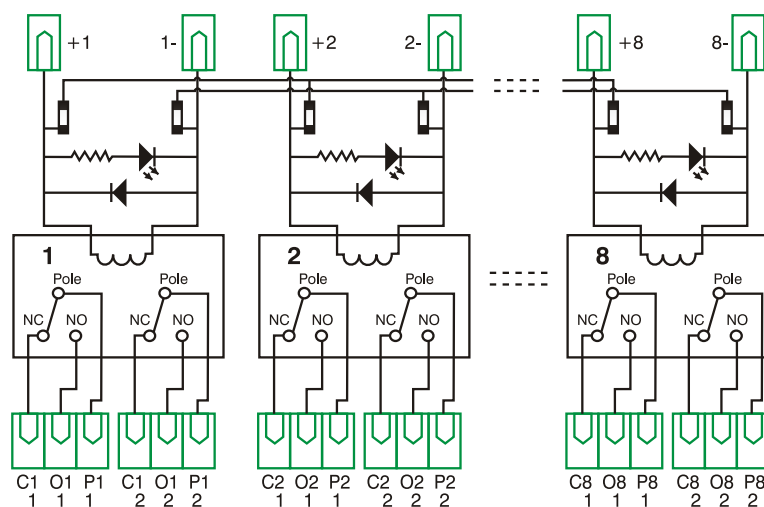
ORDERING INFORMATION

2 C/O 24V DC			2 C/O 12V DC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100006	AE-01-024D-2-B(G2R)	24 x 90 x 68	11100021	AE-01-012D-2-B(G2R)	24 x 90 x 68
11100007	AE-02-024D-2-B-C(G2R)	44 x 90 x 68	11100022	AE-02-012D-2-B-C(G2R)	44 x 90 x 68
11100008	AE-04-024D-2-B-C(G2R)	82 x 90 x 68	11100023	AE-04-012D-2-B-C(G2R)	82 x 90 x 68
11100009	AE-08-024D-2-B-C(G2R)	159 x 90 x 68	11100024	AE-08-012D-2-B-C(G2R)	159 x 90 x 68
11100010	AE-16-024D-2-B-C(G2R)	312 x 90 x 68	11100025	AE-16-012D-2-B-C(G2R)	312 x 90 x 68

Layout Diagram of AE-08-024D-2-B-C(G2R)



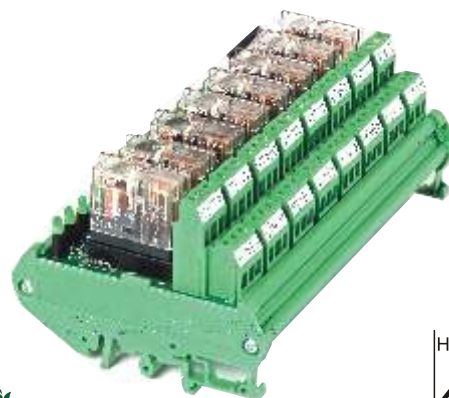
Connection Diagram of AE-08-024D-2-B-C(G2R)



TWO CHANGE OVER - AC COIL VOLTAGE

Features

- Available In 1/2/4/8/16 Channels.
- Coil Voltage 24/110/230V AC.
- Switching Current 5A at 30V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	24V AC	110V AC	230V AC
Coil resistance (Ohms)	260	4600	26850
Rated coil current (mA)	46.5	11.0	4.7
Must operate voltage	80% max. of rated voltage		
Must release voltage	30% max. of rated voltage		
Maximum voltage	140% at 23°C		
Power consumption (VA Approx.)	0.9	0.9	0.9
Other coil voltages	12V AC are available on request.		

RELAY DATA

Relay make	OMRON G2R Series, Relay other than OMRON make available on request
Contact type	2 C/O (DPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	5A at 250V AC & 5A at 30V DC 2A at 250V AC & 3A at 30V DC
Maximum switching voltage	380V AC, 125V DC
Contact resistance	50mOhm max.
Operate time	15 ms max.
Release time	AC: 10 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)
Mechanical life expectancy	10,000,000 operations min for AC coil
Electrical life expectancy	100,000 operations min. (At max. Operations frequency & max. Load current)

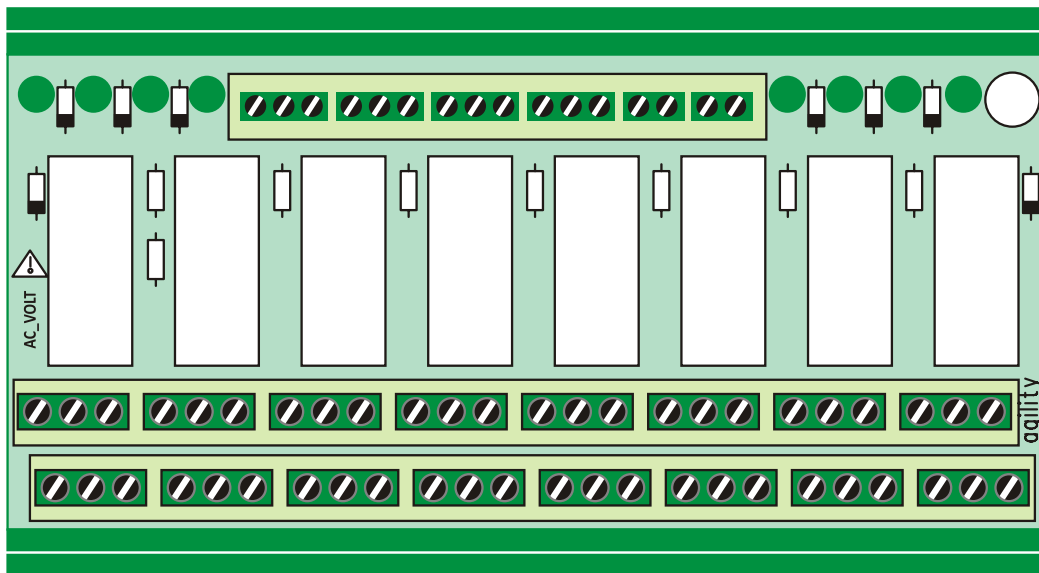
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

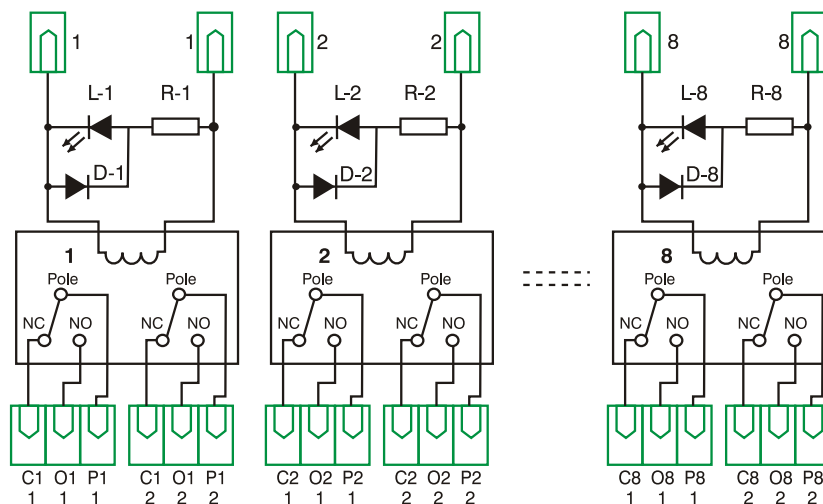
ORDERING INFORMATION

2 C/O 230V AC			2 C/O 110V AC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100099	AE-01-230A-2-B	26 x 90 x 70	11100084	AE-01-110A-2-B	26 x 90 x 70
11100100	AE-02-230A-2-B	44 x 90 x 70	11100085	AE-02-110A-2-B	44 x 90 x 70
11100101	AE-04-230A-2-B	82 x 90 x 70	11100086	AE-04-110A-2-B	82 x 90 x 70
11100102	AE-08-230A-2-B	160 x 90 x 70	11100087	AE-08-110A-2-B	160 x 90 x 70
11100103	AE-16-230A-2-B	313 x 90 x 70	11100088	AE-16-110A-2-B	313 x 90 x 70

Layout Diagram of AE-08-230A-2-B



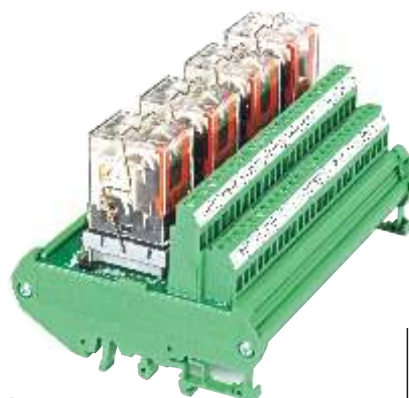
Connection Diagram of AE-08-230A-2-B



FOUR CHANGE OVER - AC & DC COIL VOLTAGE

Features

- Available in 1/2/4/8 Channels.
- Coil Voltage 12/24V DC & 110/230V AC.
- Switching Current 3A at 30V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays.
- Available with Hermetically Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	12V DC	24V DC	100V AC/ 110V AC	220V AC/ 240V AC
Coil resistance (Ohms)	165	662	3750	18790
Rated coil current (mA)	72.7	36.3	11.7/12.9	4.8/5.3
Must operate voltage	80% max. of rated voltage			
Must release voltage	10% max. of rated voltage		30% max. of rated voltage	
Maximum voltage	110% at 23°C			
Power consumption AC (VA Approx.) DC (mW Approx.)	0.9	0.9	0.9 to 1.1	0.9 to 1.1
Other coil voltages	12V/24V AC & 110V DC are available on request			

RELAY DATA

Relay make	OMRON MY4 Series, Relay other than OMRON make available on request
Contact type	4 C/O (4PDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	3A at 250V AC & 3A at 30V DC 0.8A at 250V AC & 1.5A at 30V DC
Maximum switching voltage	250V AC, 220V DC
Contact resistance	50mOhm max.
Operate time	20 ms max.
Release time	20 ms max.
Insulation resistance	100M Ohm min.
Di-electric strength between coil & contact	2000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)
Mechanical life expectancy	50,000,000 operations min. for AC coil 100,000,000 operations min for DC coil
Electrical life expectancy	200,000 operations min. (At max. Operations frequency & max. Load current)

CONNECTION DATA

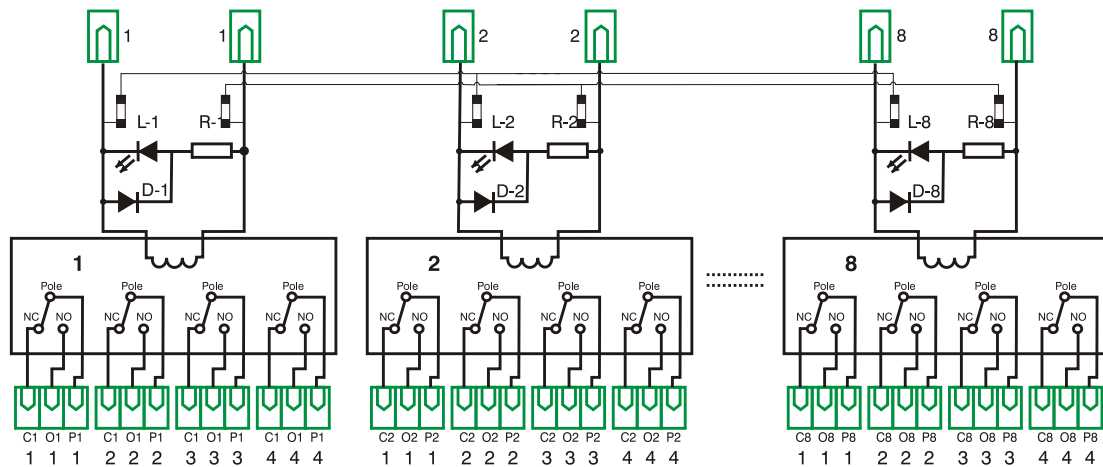
Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

ORDERING INFORMATION

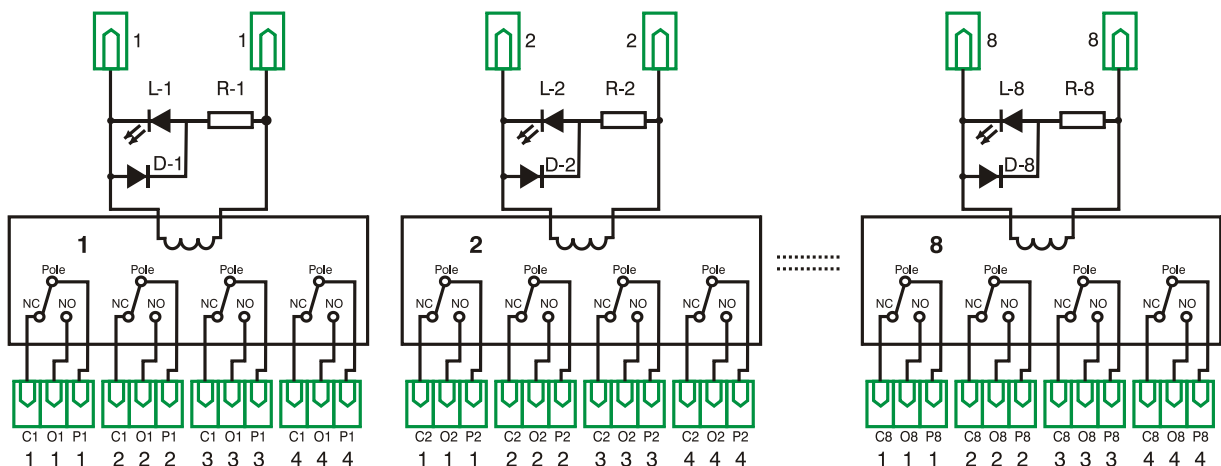
4C/O 24V DC			4C/O 12V DC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100011	AE-01-024D-4-B	35 x 90 x 75	11100026	AE-01-012D-4-B	35 x 90 x 75
11100012	AE-02-024D-4-B-C	67 x 90 x 75	11100027	AE-02-012D-4-B-C	67 x 90 x 75
11100013	AE-04-024D-4-B-C	132 x 90 x 75	11100028	AE-04-012D-4-B-C	132 x 90 x 75
11100014	AE-08-024D-4-B-C	259 x 90 x 75	11100029	AE-08-012D-4-B-C	259 x 90 x 75

4C/O 230V AC			4C/O 110V AC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100104	AE-01-230A-4-B	35 x 90 x 75	11100089	AE-01-110A-4-B	35 x 90 x 75
11100105	AE-02-230A-4-B-C	67 x 90 x 75	11100090	AE-02-110A-4-B	67 x 90 x 75
11100106	AE-04-230A-4-B-C	132 x 90 x 75	11100091	AE-04-110A-4-B	132 x 90 x 75
11100107	AE-08-230A-4-B-C	259 x 90 x 75	11100092	AE-08-110A-4-B	259 x 90 x 75

Connection Diagram of AE-08-024D-4-B-C



Connection Diagram of AE-08-230A-4-B



ONE CHANGE OVER - DC COIL VOLTAGE WITH FUSE & FUSE FAIL INDICATION

Features

- Available in 1/2/4/8/16 Channels.
- Coil Voltage 5/12/24/48V DC.
- Switching Current 12A at 24V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- Fuse & Fuse Blown Indication in Contact.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 Channels other than specified are available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Load/Output protection	Horizontal fuse 5x20 mm of 2A rating in common path of each contact of each relay.
Fuse fail indication	3 mm Red LED to indicate fuse fail
Input indication	3 mm Green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY DATA

Relay make	OMRON G2RL Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY COIL DATA

Rated coil voltage	5V DC	12V DC	24V DC	48V DC
Coil resistance (Ohms)	62.5	360	1440	5358
Rated coil current (mA)	80.0	33.30	16.7	8.96
Must operate voltage	70% max. of rated voltage			
Must release voltage	10% max. of rated voltage			
Maximum voltage	130% at 85°C			
Power consumption (mW Approx.)	400	400	400	430
Other coil voltages	110V DC are available on request			

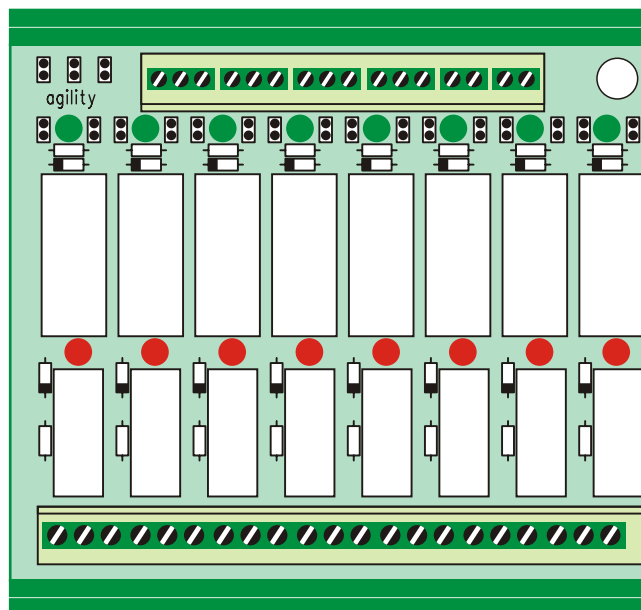
RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	12A at 250V AC / 24V DC
Maximum switching voltage	440V AC, 300V DC
Contact resistance	100mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

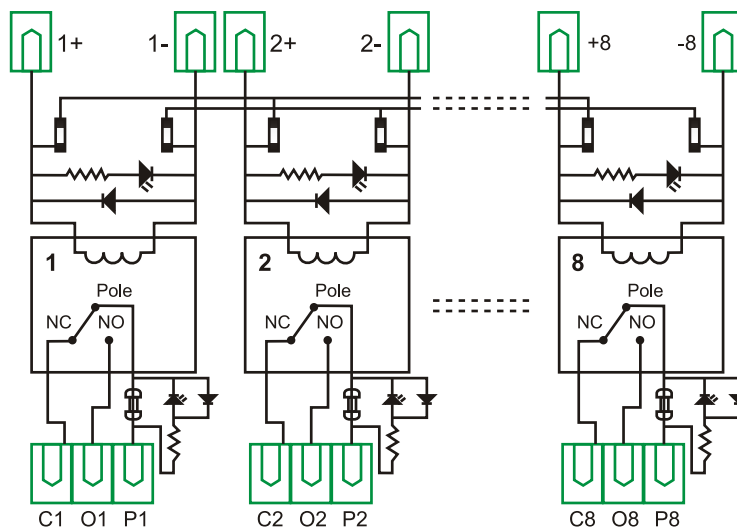
ORDERING INFORMATION

1 C/O 24V DC with Fuse Fail Indication at Output			1 C/O 12V DC with Fuse Fail Indication at Output		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100221	AE-01-024D-1-FFI-B	23 x 126 x 60	11100335	AE-01-012D-1-FFI-B	23 x 126 x 60
11100222	AE-02-024D-1-FFI-B-C	38 x 126 x 60	11100334	AE-02-012D-1-FFI-B-C	38 x 126 x 60
11100223	AE-04-024D-1-FFI-B-C	70 x 126 x 60	11100333	AE-04-012D-1-FFI-B-C	70 x 126 x 60
11100200	AE-08-024D-1-FFI-B-C	132 x 126 x 60	11100332	AE-08-012D-1-FFI-B-C	132 x 126 x 60
11100224	AE-16-024D-1-FFI-B-C	255 x 126 x 60	11100331	AE-16-012D-1-FFI-B-C	255 x 126 x 60

Layout Diagram of AE-08-024D-1-FFI-B-C



Connection Diagram of AE-08-024D-1-FFI-B-C



TWO CHANGE OVER - DC COIL VOLTAGE WITH FUSE & FUSE FAIL INDICATION

Features

- Available in 1/2/4/8/16 Channels.
- Coil Voltage 5/12/24/48V DC.
- Switching Current 5A at 30V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- Fuse & Fuse Blown Indication in Contact.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 Channels other than specified are available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Load/Output protection	Horizontal fuse 5x20 mm of 2A rating in common path of each contact of each relay.
Fuse fail indication	3 mm Red LED to indicate fuse fail
Input indication	3 mm Green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY DATA

Relay make	OMRON G2RL-2 Series, Relay other than OMRON make available on request
Contact type	2 C/O (DPDT)
Relay approvals	

CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY COIL DATA

Rated coil voltage	5V DC	12V DC	24V DC	48V DC
Coil resistance (Ohms)	62.5	360	1440	5358
Rated coil current (mA)	80.0	33.30	16.7	8.96
Must operate voltage	70% max. of rated voltage			
Must release voltage	10% max. of rated voltage			
Maximum voltage	130% at 85°C			
Power consumption (mW Approx.)	0.4	0.4	0.4	0.4
Other coil voltages	110V DC are available on request			

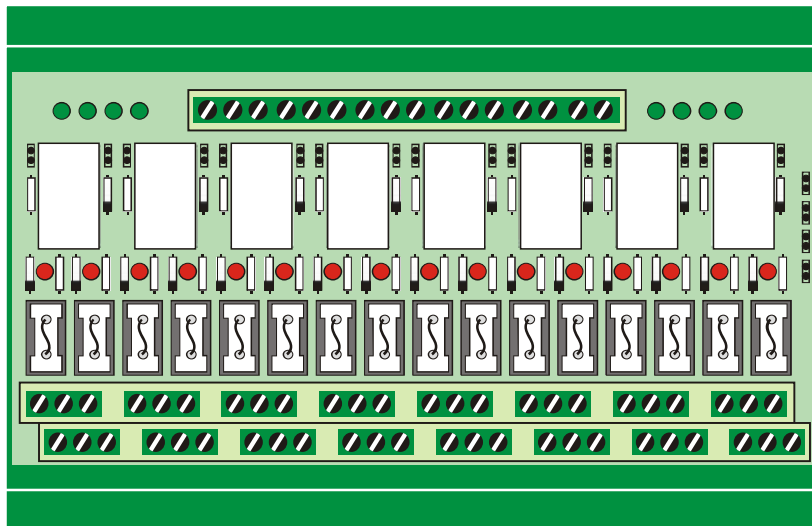
RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive)	5A at 250V AC & 5A at 30V DC
Maximum switching voltage	440V AC, 300V DC
Contact resistance	100mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

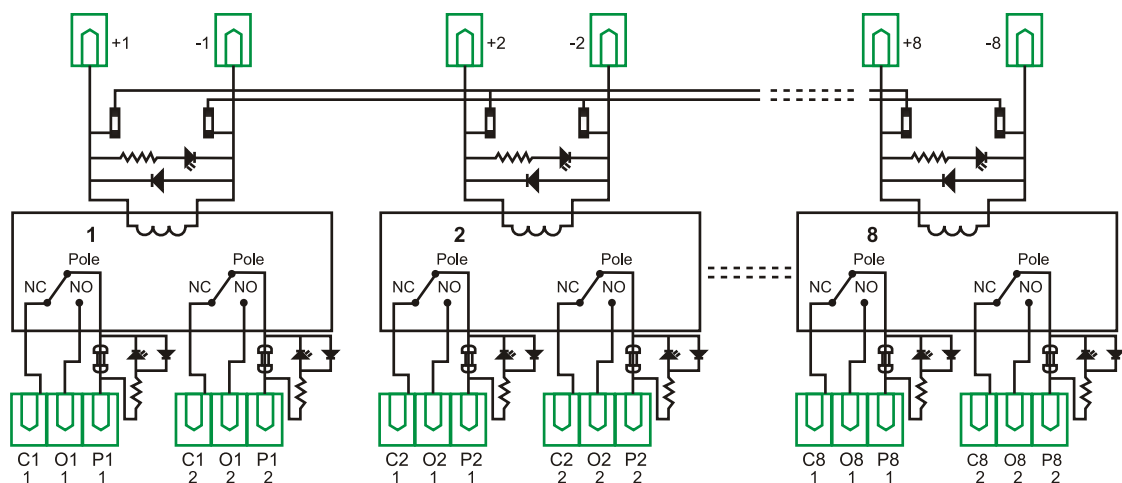
ORDERING INFORMATION

1 C/O 24V DC with Fuse Fail Indication at Output			1 C/O 12V DC with Fuse Fail Indication at Output		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100225	AE-01-024D-2-FFI-B	33 x 126 x 66	11100340	AE-01-012D-2-FFI-B	33 x 126 x 66
11100226	AE-02-024D-2-FFI-B-C	62 x 126 x 66	11100339	AE-02-012D-2-FFI-B-C	62 x 126 x 66
11100227	AE-04-024D-2-FFI-B-C	118 x 126 x 66	11100338	AE-04-012D-2-FFI-B-C	118 x 126 x 66
11100228	AE-08-024D-2-FFI-B-C	230 x 126 x 66	11100337	AE-08-012D-2-FFI-B-C	230 x 126 x 66
11100229	AE-16-024D-2-FFI-B-C	454 x 126 x 66	11100336	AE-16-012D-2-FFI-B-C	454 x 126 x 66

Layout Diagram of AE-08-024D-2-FFI-B-C



Layout Diagram of AE-08-024D-2-FFI-B-C



ONE CHANGE OVER - DC COIL VOLTAGE WITH SPRING TERMINALS

Features

- Available in 1/2/4/8/16 Channels.
- Coil Voltage 5/12/24/48V DC.
- Switching Current 12A at 24V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	5V DC	12V DC	24V DC	48V DC
Coil resistance (Ohms)	62.5	360	1440	5358
Rated coil current (mA)	80.0	33.30	16.7	8.96
Must operate voltage	70% max. of rated voltage			
Must release voltage	10% max. of rated voltage			
Maximum voltage	130% at 85°C			
Power consumption (mW Approx.)	400	400	400	430
Other coil voltages	110V DC are available on request			

RELAY DATA

Relay make	OMRON G2RL Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive)	12A at 250V AC / 24V DC
Maximum switching voltage	440V AC, 300V DC
Contact resistance	100mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

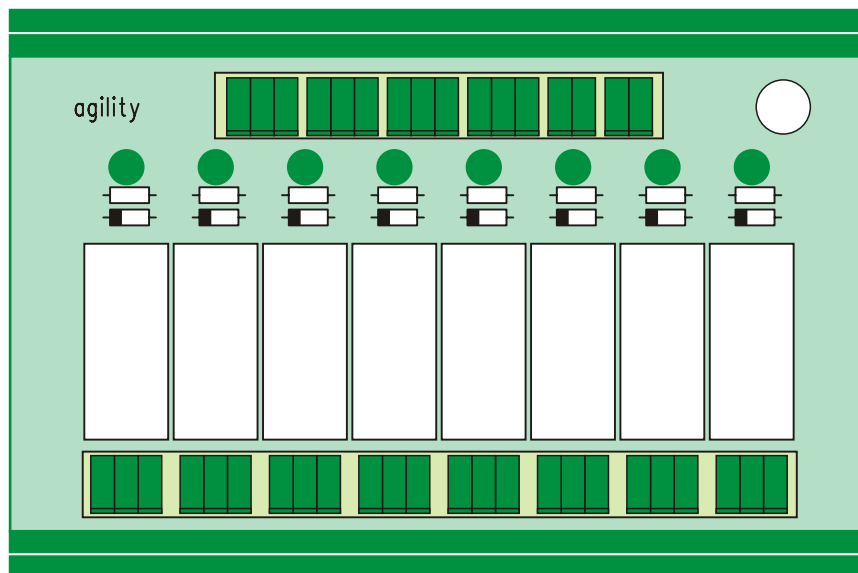
CONNECTION DATA

Input (Coil) Side	PCB Spring Terminals (Nominal current: 24A, Rated voltage: 250V, Type of connection: Spring connection)
Output (Contact Side)	PCB Spring Terminals (Nominal current: 24A, Rated voltage: 250V, Type of connection: Spring connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

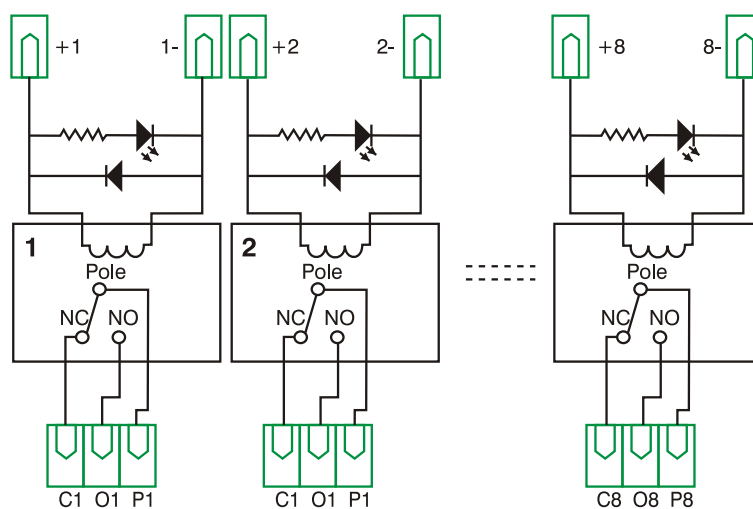
ORDERING INFORMATION

1 C/O 24V DC			1 C/O 12V DC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100289	AE-01-024D-1-B-S	24 x 90 x 60	11100359	AE-01-012D-1-B-S	24 x 90 x 60
11100288	AE-02-024D-1-B-N-S	40 x 90 x 60	11100358	AE-02-012D-1-B-N-S	40 x 90 x 60
11100287	AE-04-024D-1-B-N-S	74 x 90 x 60	11100357	AE-04-012D-1-B-N-S	74 x 90 x 60
11100243	AE-08-024D-1-B-N-S	141 x 90 x 60	11100356	AE-08-012D-1-B-N-S	141 x 90 x 60
11100286	AE-16-024D-1-B-N-S	267 x 90 x 60	11100355	AE-16-012D-1-B-N-S	267 x 90 x 60

Layout Diagram of AE-08-024D-1-B-N-S



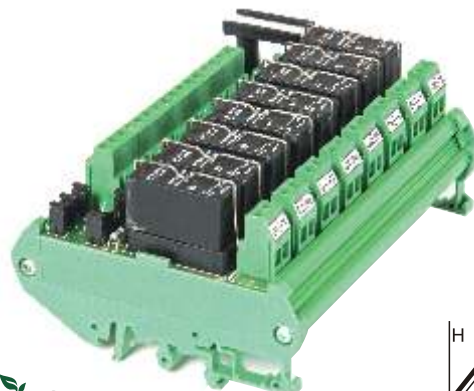
Connection Diagram of AE-08-024D-1-B-N-S



SOLID STATE RELAY MODULES - DC INPUT & DC/AC OUTPUT

Features

- Available in 1/2/4/8/16 Channels.
- Input Voltage 3-32V DC.
- Output Voltage 3-50V DC/24-280V AC.
- Rated Current 5A for DC/ 3A for AC.
- Freewheeling Diode for protection.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 for polarity protection
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY DATA

Relay make	Agility or equivalent
Contact type	DC
Relay approvals	CE

CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY INPUT DATA

Rated coil voltage	24V DC
Minimum voltage	3V DC
Maximum voltage	32V DC
Input maximum current	15.3 mA (for DC output) 17.3 mA (for AC output)

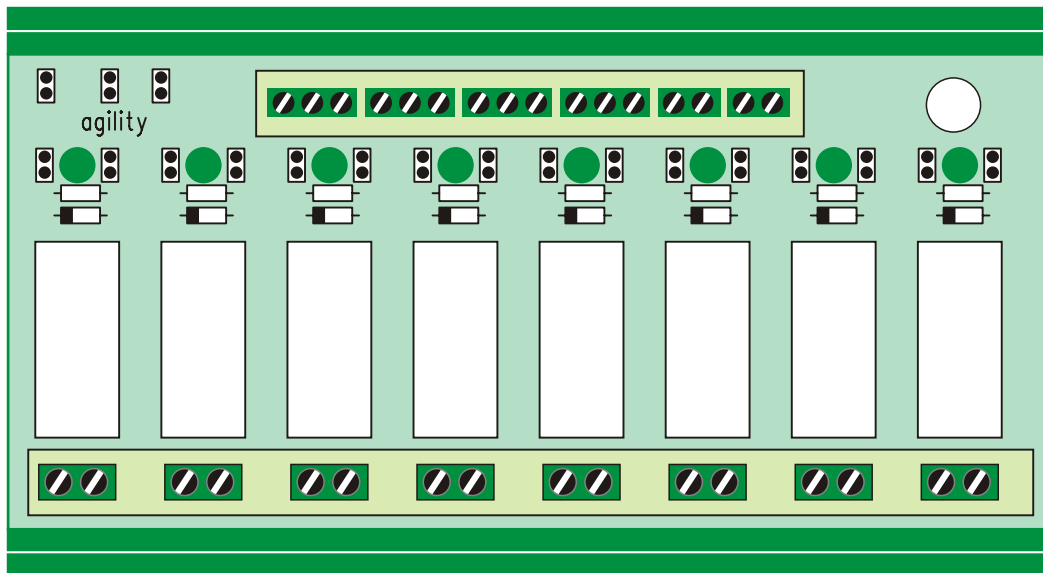
RELAY OUTPUT DATA

Nominal operating voltage	24V DC	240V AC
Minimum operating voltage	3V DC	24V AC
Maximum operating voltage	50V DC	280V AC
Minimum load current	5A	3A
Maximum turn on time	100 µs	½ cycle
Maximum turn off time	960 µs	½ cycle
Input/Output isolation voltage	2500 V	
SSR output type	MOSFET	TRIAC

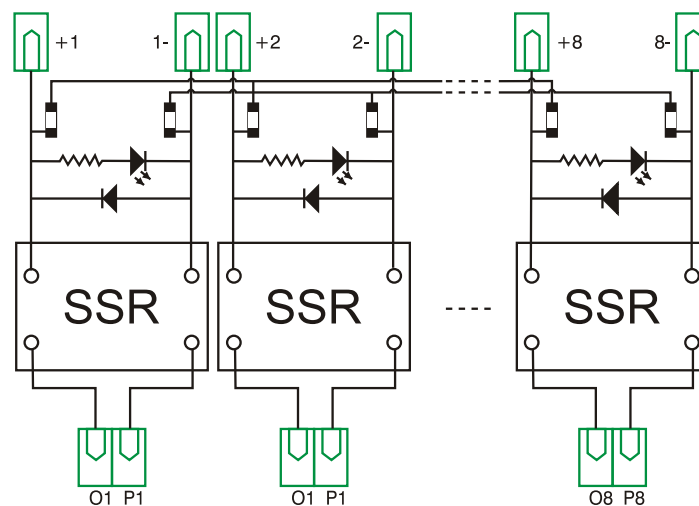
ORDERING INFORMATION

Pluggable SSR module with Input Indication having DC Output			Pluggable SSR module with Input Indication having AC Output		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100353	AE-S-01-024D-024D-B-C	21 x 90 x 60	11100351	AE-S-01-024D-230A-B-C	21 x 90 x 60
11100270	AE-S-02-024D-024D-B-C	36 x 90 x 60	11100271	AE-S-02-024D-230A-B-C	36 x 90 x 60
11100309	AE-S-04-024D-024D-B-C	66 x 90 x 60	11100272	AE-S-04-024D-230A-B-C	66 x 90 x 60
11100303	AE-S-08-024D-024D-B-C	128 x 90 x 60	11100273	AE-S-08-024D-230A-B-C	128 x 90 x 60
11100300	AE-S-16-024D-024D-B-C	252 x 90 x 60	11100299	AE-S-12-024D-230A-B-C	252 x 90 x 60

Layout Diagram of AE-S-08-024D-024D-B-C



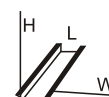
Connection Diagram of AE-S-08-024D-024D-B-C



SOLID STATE RELAY MODULES - DC INPUT & DC/AC OUTPUT WITH FUSE FAIL INDICATION

Features

- Available in 1/2/4/8/16 Channels.
- Input Voltage 3-32V DC.
- Output Voltage 3-50V DC/24-280V AC.
- Rated Current 5A for DC/ 3A for AC.
- Freewheeling Diode for protection.
- Fuse & Fuse Blown Indication at Output
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Load/Output protection	Horizontal fuse 5x20 mm of 2A rating in common path of each contact of each relay.
Relay Socket	Paramount or equivalent
Fuse fail indication	3 mm Red LED to indicate fuse fail
Input indication	3 mm Green LED for input status
Relay protection	Free wheeling diode 1N4007 for polarity protection
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY DATA

Relay make	Agility or equivalent
Contact type	AC
Relay approvals	CE

CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY INPUT DATA

Rated coil voltage	24V DC
Minimum voltage	10V DC
Maximum voltage	32V DC
Input maximum current	15.3 mA (for DC output) 17.3 mA (for AC output)

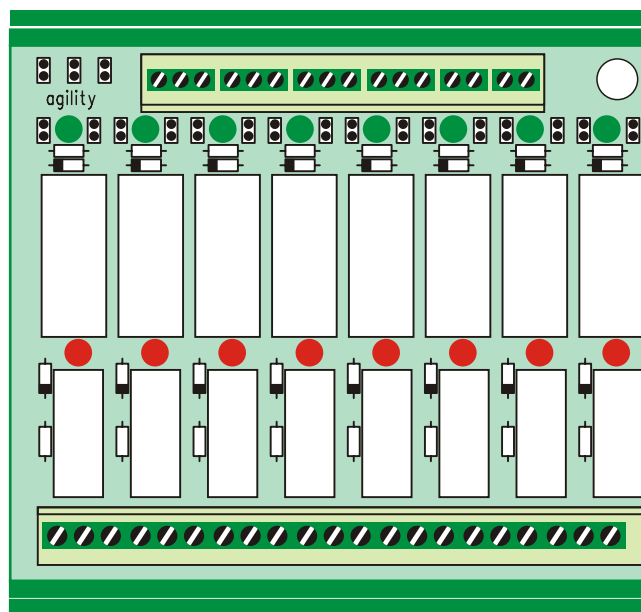
RELAY OUTPUT DATA

Nominal operating voltage	24V DC	240V AC
Minimum operating voltage	3V DC	24V AC
Maximum operating voltage	50V DC	280V AC
Minimum load current	5A	3A
Maximum turn on time	50 µs	½ cycle
Maximum turn off time	250 µs	½ cycle
Input/Output isolation voltage	2500 V	
SSR output type	MOSFET	TRIAC

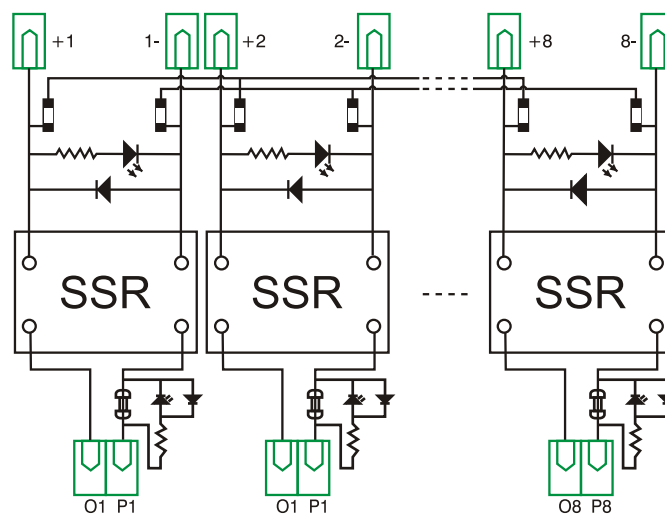
ORDERING INFORMATION

Pluggable SSR module with Fuse & Fuse Fail Indication having DC Output			Pluggable SSR module with Fuse & Fuse Fail Indication having AC Output		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100354	AE-S-01-024D-024D-FFI-B-C	23 x 126 x 60	11100352	AE-S-01-024D-230A-FFI-B-C	23 x 126 x 60
11100274	AE-S-02-024D-024D-FFI-B-C	38 x 126 x 60	11100277	AE-S-02-024D-230A-FFI-B-C	38 x 126 x 60
11100275	AE-S-04-024D-024D-FFI-B-C	70 x 126 x 60	11100278	AE-S-04-024D-230A-FFI-B-C	70 x 126 x 60
11100276	AE-S-08-024D-024D-FFI-B-C	132 x 126 x 60	11100279	AE-S-08-024D-230A-FFI-B-C	132 x 126 x 60
11100297	AE-S-16-024D-024D-FFI-B-C	255 x 126 x 60	11100298	AE-S-16-024D-230A-FFI-B-C	255 x 126 x 60

Layout Diagram of AE-S-08-024D-024D-FFI-B-C



Connection Diagram of AE-S-08-024D-024D-FFI-B-C



ONE CHANGE OVER - DC COIL VOLTAGE (COMPACT MODULE)

Features

- Available in 8/16/32 Channels.
- Coil Voltage 5/12/24/48V DC.
- Switching Current 6A at rated voltage.
- Freewheeling Diode across relay coil for protection.
- Jumpers are provided for selection between positive/negative looping.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with fully sealed relays.
- Mountable on Universal DIN Rail



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	8/16/32 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	5	12	24	48
Coil resistance (Ohms)	147 + 10%	848 + 10%	3390 + 10%	10600 + 15%
Rated coil current (mA)	80.0			
Operate voltage	3.5	8.4	16.8	33.6
Release voltage	0.25	0.6	1.2	2.4
Power consumption (mW Approx.)	170	170	170	217

RELAY DATA

Relay make	Schrack or equivalent
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Contact configuration	1 CO
Rated current	6A
Rated voltage / max.switching voltage AC	240/400V AC
Maximum breaking capacity AC	1500V A
Limiting making capacity, max 4s, duty factor 10%	10A
Contact material	AgSnO2
Minimum contact load	100mA, 12V
Mechanical endurance	100,00,000 cycles
Rated frequency of operation with / without load	6 /1200 min-1

CONNECTION DATA

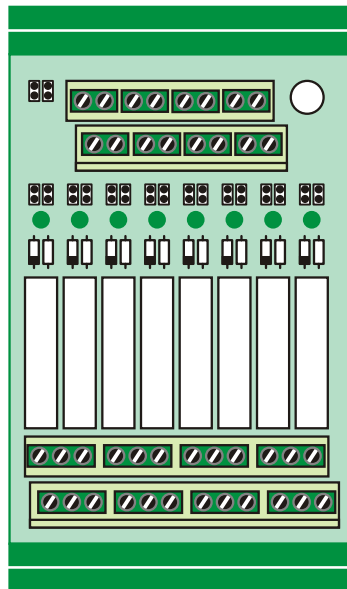
Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

ORDERING INFORMATION

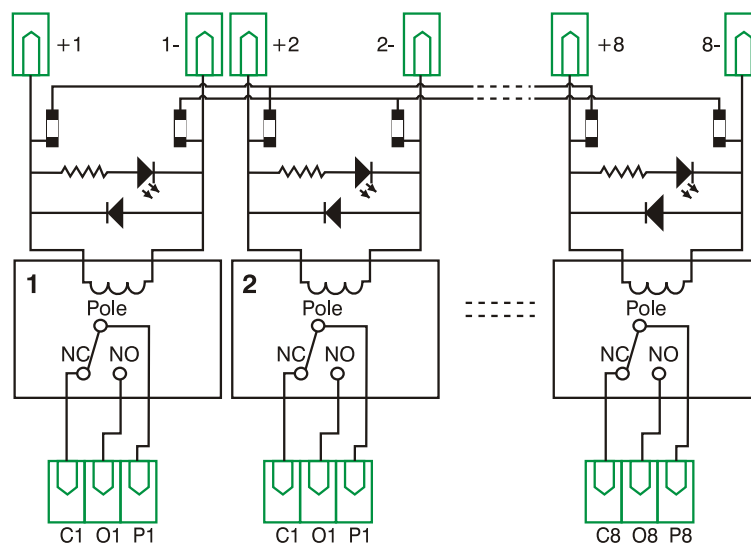
1 C/O 24V DC

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100423	AE-08-024D-1-B-C (SL-108)	70 x 126 x 66
11100422	AE-16-024D-1-B-C (SL-108)	132 x 126 x 66
11100611	AE-32-024D-1-B-C (SL-108)	194 x 126 x 66

Layout Diagram of AE-08-024D-1-B-C (SL-108)



Connection Diagram of AE-08-024D-1-B-C (SL-108)



SOLID STATE RELAY MODULES - DC INPUT & DC/AC OUTPUT (COMPACT MODULE)

Features

- Available in 8/16/32 Channels
- Input Voltage 3-32V DC
- Output Voltage 60V DC
- Rated Current 5A
- Freewheeling Diode for protection
- Jumpers are provided for Selection between positive/negative looping
- LED indication to denote relay actuation
- Available with pluggable relays, directly soldered on request.
- Mountable on Universal DIN Rail



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	8/16/32 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 for polarity protection
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY DATA

Relay make	Agility or equivalent
Contact type	DC
Relay approvals	CE

CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY INPUT DATA

Control Voltage Range	3-32V DC
Control Current Range	1-20 mA
Pick-up Voltage	3V DC
Drop-out Voltage	1.0V DC

RELAY OUTPUT DATA

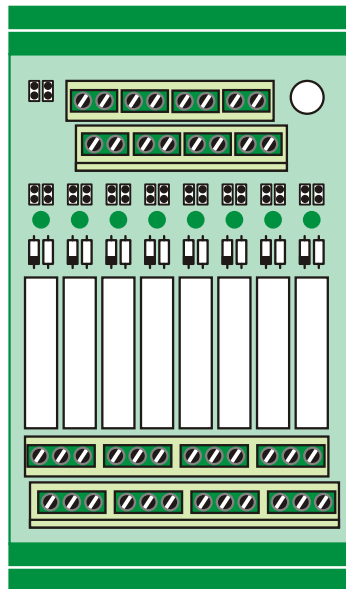
Load Current	5A
Load Voltage	60 VDC
Surge Current (Non-Rep)	50A
On state Voltage Drop	1.6 VDC
Off state leakage Current @ rated Voltage	100 µA
Thermal Resistance	1.3 °C/W
Turn-On	760 µs
Turn-Off	850 µs

ORDERING INFORMATION

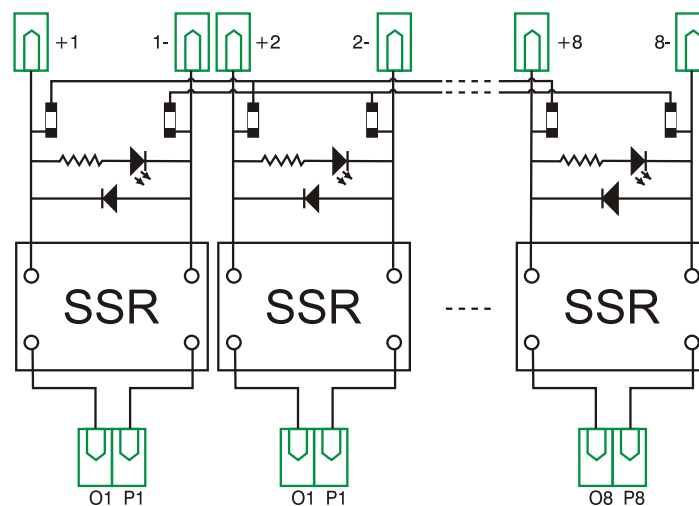
Pluggable SSR module with Input Indication having DC Output

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100613	AE-S-08-024D-024D-B-C (SL-108)	70 x 126 x 66
11100614	AE-S-16-024D-024D-B-C (SL-108)	132 x 126 x 66
11100615	AE-S-32-024D-024D-B-C (SL-108)	194 x 126 x 66

Layout Diagram of AE-S-08-024D-024D-B-C (SL-108)



Connection Diagram of AE-S-08-024D-024D-B-C (SL-108)



Agility offers solutions to compact electronic assemblies with help of our range of Passive Modules and Cable Assemblies and in the process, usage of High Density Connector (FRC, D-SUB etc.) In place of traditional screw terminals is also increasing due to fact that screw terminal occupies more space. For example many PLC manufacturers are offering various input/output modules in very compact size with external termination provided on FRC/D-SUB.

Still screw and spring terminals are favorable for most of the field wireman because these terminations do not need special tools.

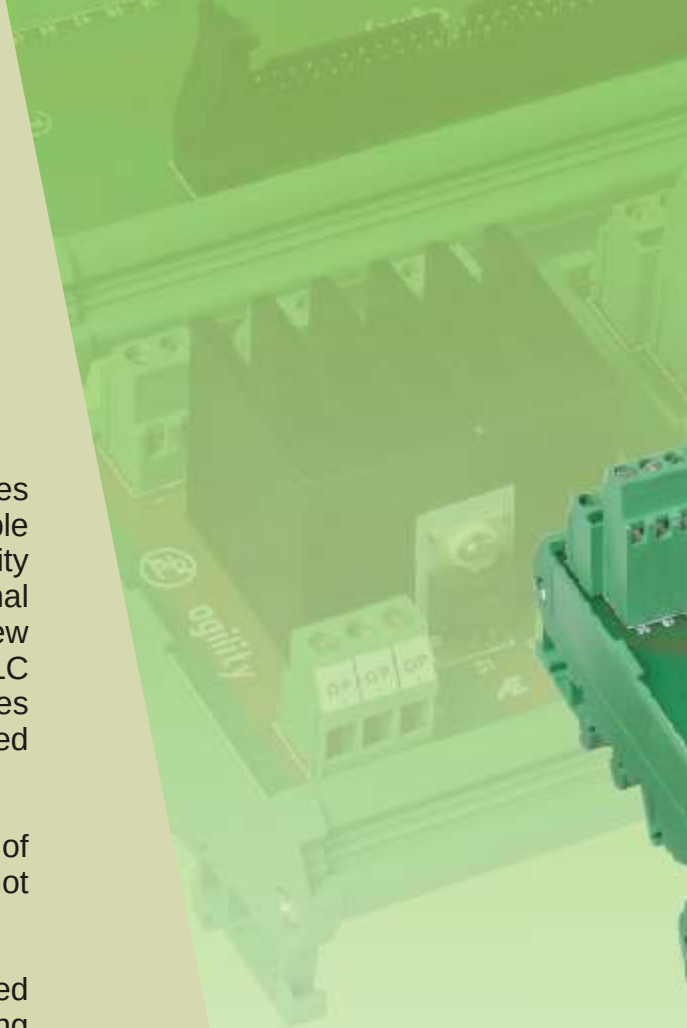
Agility interface Passive Modules can be invariably used to convert high density connections into screw/spring terminals. It comes with screw/spring connection at one end high density connector on another end with 1:1 connections. It is used for transferring electrical signals from high density connector on to screw/spring terminals for easy termination of the field actuators or signals.

A range of Interface Passive Modules is available with various high density connectors like:

- FRC connectors (2.54mm pitch and pins in dual row)
- D-Sub type connector (Male & Female)
- EICO/EDAC connector on request
- RJ45 connector on request
- And many more for the custom made requirement

Agility Interface Passive Modules are universal, device neutral and DIN rail mountable. It can be mounted easily in control cabinets.

The other usage of Interface Passive Modules includes making inter panel wiring pluggable. It can also be used to interface main panel and machine mounted operator panel. This application is achieved with the help of pluggable high density connectors on one end of Passive Modules. Combination of two similar modules and one interconnecting pre-fabricated cables is used for inter panel wiring.





INTERFACE PASSIVE MODULE

CABLE ASSEMBLY



Interface Solution from
AGILITY

www.agility.net.in

PASSIVE MODULE WITH FRC CONNECTORS

Features

- Available in 10/14/16/20/26/34/40/50/60/64 Pin Connectors
- With Screw Terminals, Spring Terminals on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels / Pins	10 to 64
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

INPUT DATA

Input voltage	60V AC/DC
Maximum current carrying capacity	2A per pin

CONNECTION DATA

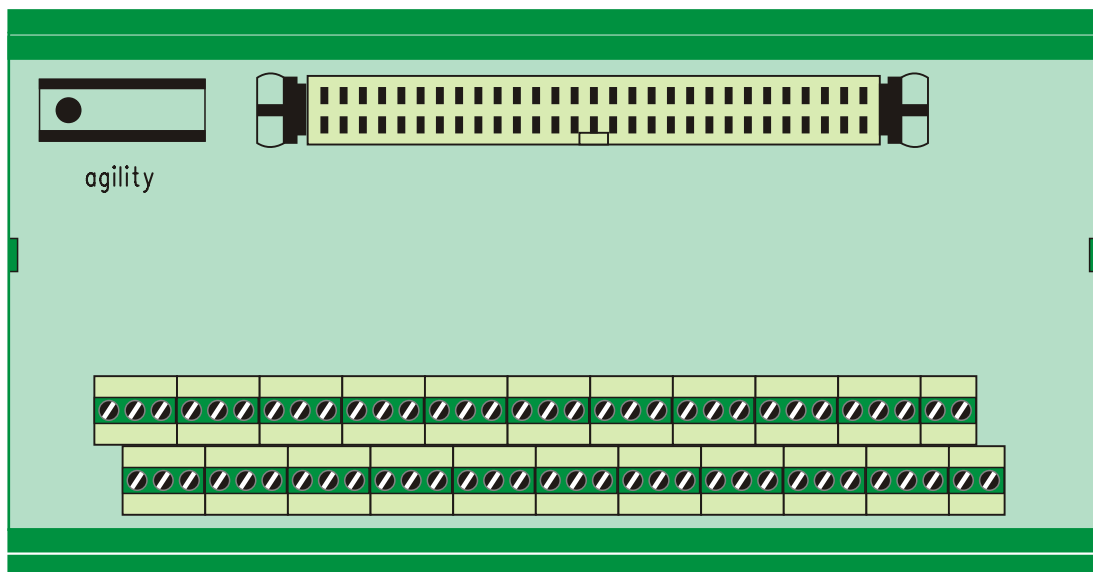
Connection -1	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent
Connection -2	Flat ribbon connector
Make	Omron or equivalent

ORDERING INFORMATION

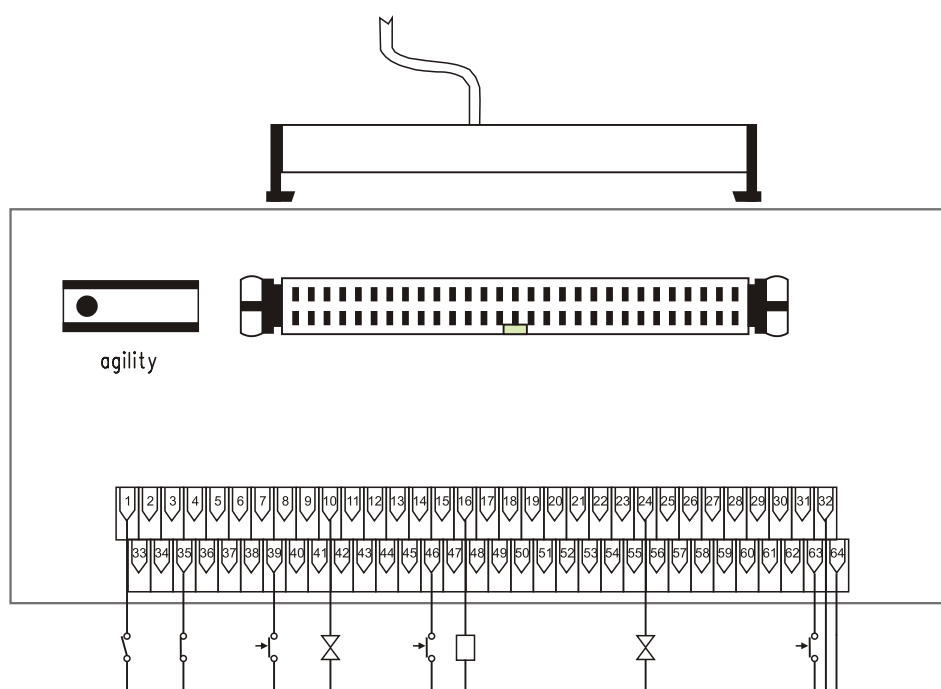
Passive Modules with FRC Connector

Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100110	AE-PM-IDC-F14	44 x 90 x 66	11100113	AE-PM-IDC-F34	95 x 90 x 66
11100111	AE-PM-IDC-F20	59 x 90 x 66	11100114	AE-PM-IDC-F40	110 x 90 x 66
11100112	AE-PM-IDC-F26	74 x 90 x 66	11100115	AE-PM-IDC-F50	135 x 90 x 66

Layout Diagram of AE-PM-IDC-F50



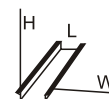
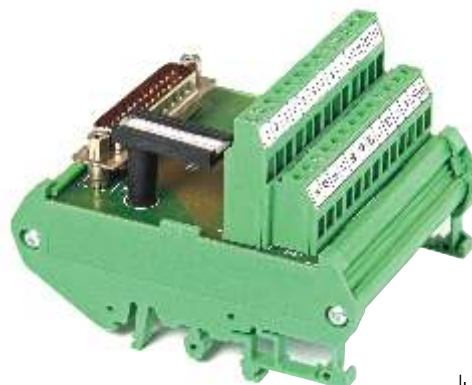
Connection Diagram of AE-PM-IDC-F50



PASSIVE MODULE WITH D-SUB CONNECTORS

Features

- Available in 9/15/25/37/50 Pin Male & Female Connectors
- With Screw Terminals, Spring Terminals on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels / Pins	9 to 50
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

INPUT DATA

Input voltage	24V AC/DC
Maximum current carrying capacity	2A per pin

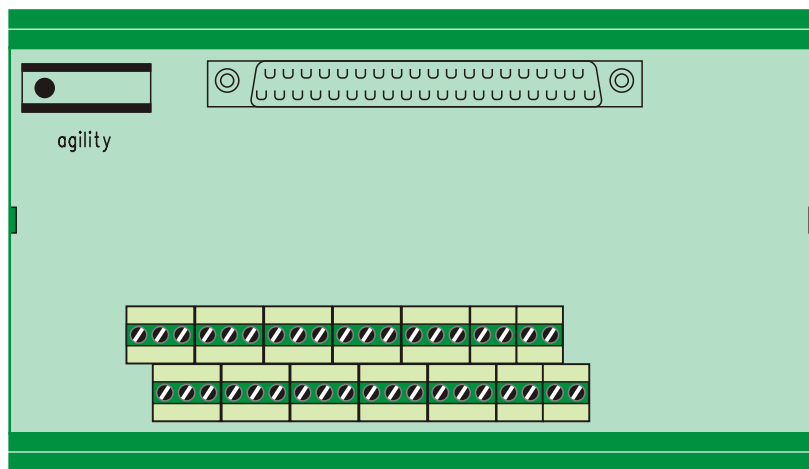
CONNECTION DATA

Connection -1	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent
Connection -2	D-Sub connector
Make	Omron or equivalent

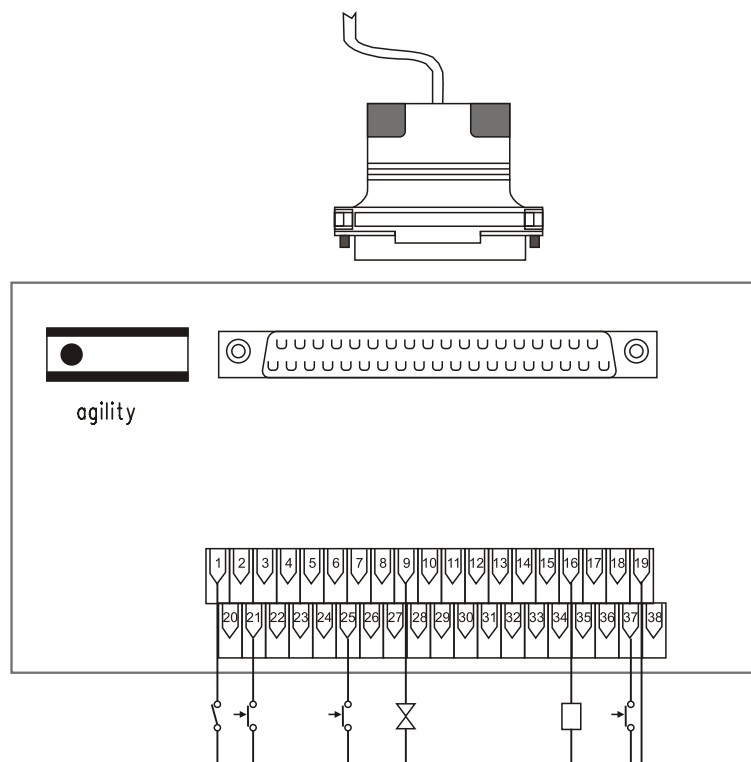
ORDERING INFORMATION

Passive Module with D-Sub Male Connectors			Passive Module with D-Sub Female Connectors		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100116	AE-PM-D-SUB-09M	37 x 90 x 66	11100121	AE-PM-D-SUB-09F	37 x 90 x 66
11100117	AE-PM-D-SUB-15M	57 x 90 x 66	11100122	AE-PM-D-SUB-15F	57 x 90 x 66
11100118	AE-PM-D-SUB-25M	76 x 90 x 66	11100123	AE-PM-D-SUB-25F	76 x 90 x 66
11100119	AE-PM-D-SUB-37M	110 x 90 x 66	11100124	AE-PM-D-SUB-37F	110 x 90 x 66
11100120	AE-PM-D-SUB-50M	107 x 90 x 66	11100125	AE-PM-D-SUB-50F	107 x 90 x 66

Layout Diagram of AE-PM-D-SUB-37M



Connection Diagram of AE-PM-D-SUB-37M



PASSIVE MODULE WITH ELCO/EDAC CONNECTORS

Features

- Passive module having screw terminal at one end and 20/38/56 Pin EDAC connector at other end.
- Input and output are electrically connected with each other in 1:1 connection.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels / Pins	1
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

INPUT DATA

Input voltage	125V AC/DC
Maximum current carrying capacity	2A per pin

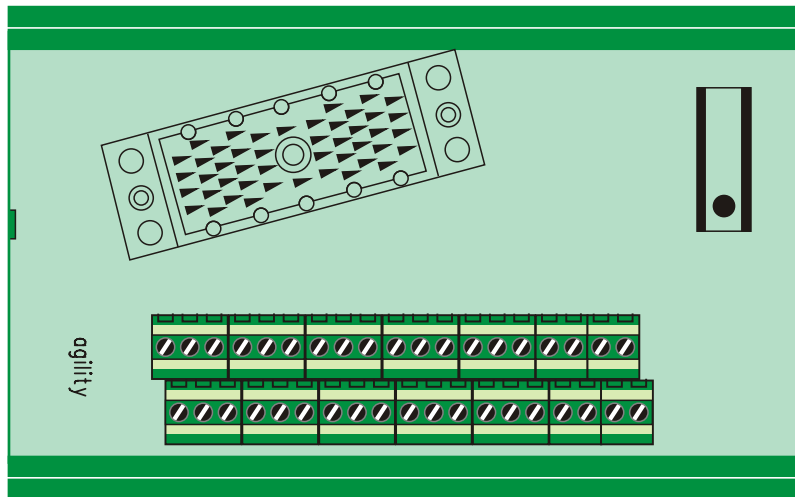
CONNECTION DATA

Connection -1	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent
Connection -2	High density connector, 20/38/56 pin male type
Make	EDAC or equivalent

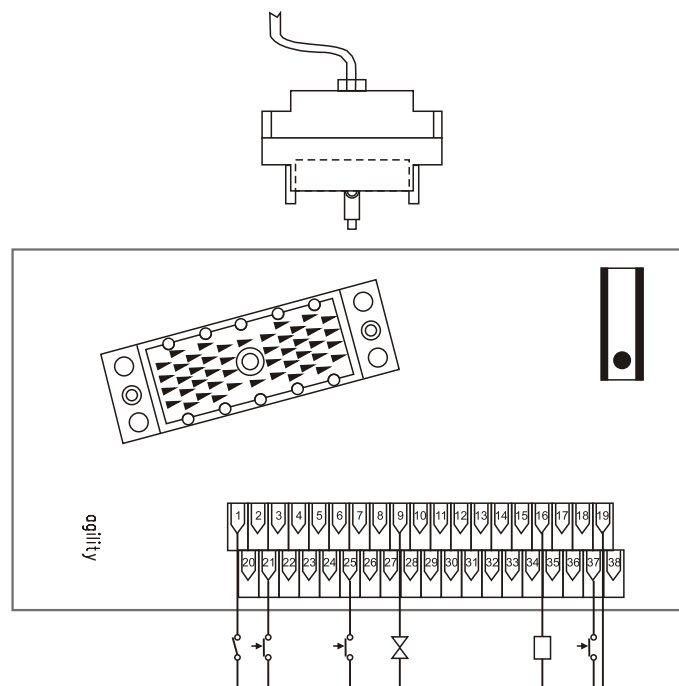
ORDERING INFORMATION

Passive Module With ELCO/EDAC Connectors - Right			Passive Module With ELCO/EDAC Connectors - Left		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100126	AE-PM-ELCO-20R	64 x 90 x 66	11100348	AE-PM-ELCO-20L	64 x 90 x 66
11100127	AE-PM-ELCO-38R	105 x 90 x 66	11100349	AE-PM-ELCO-38L	105 x 90 x 66
11100128	AE-PM-ELCO-56R	151 x 90 x 66	11100350	AE-PM-ELCO-56L	151 x 90 x 66

Layout Diagram of AE-PM-ELCO-56R



Connection Diagram of AE-PM-ELCO-56R



DIODE MODULE

Features

- Available in 10A/20A.
- With Screw Terminals, Spring Terminals on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels / Pins	1
Ambient operating temperature	0°C to 50°C
Signal mode	Redundant

DIODE DATA

Redundant current	10A	20A
Diode part number	1 No MBR20100CT	2 No MBR20100CT
Peak repetitive reverse voltage (V_{RRM}) Working peak reverse voltage (V_{RWM}) DC blocking voltage (V_s)	100V	
Average rectified forward current (Rated VR) TC=133°C (I_{FRM})	10A	
Peak repetitive forward current (Rated VR, Square Wave, 20kHz) TC=133°C (I_{FRM})	20A	

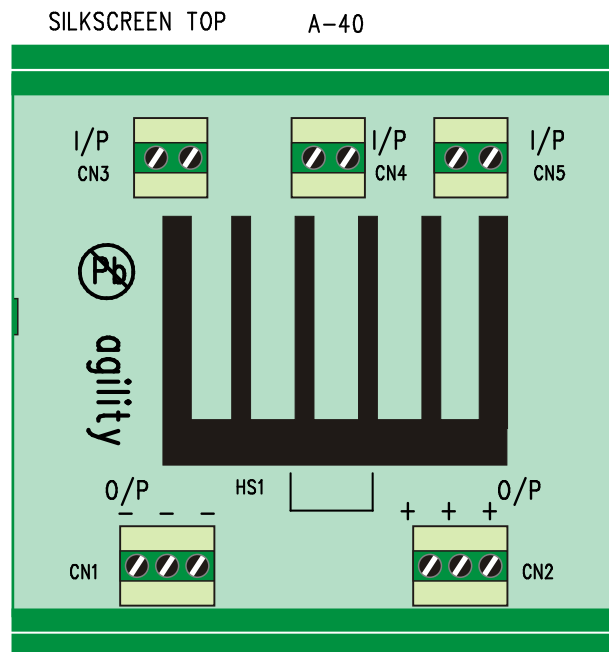
CONNECTION DATA

Input side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

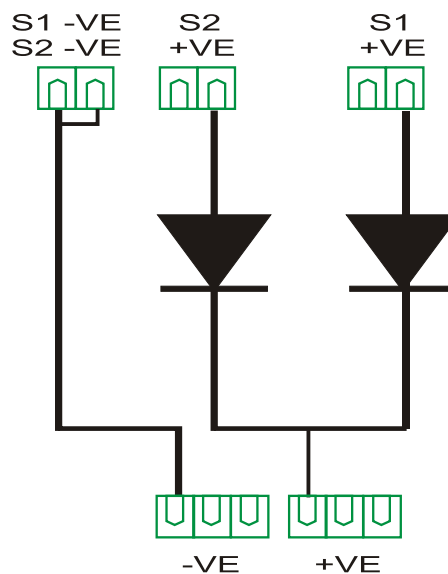
ORDERING INFORMATION

O-Ring Diode 10A			O-Ring Diode 20A		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100134	AE-PM-DOM10A	68 x 90 x 70	11100135	AE-PM-DOM20A	82 x 90 x 75

Layout Diagram of AE-PM-DOM10A



Connection Diagram of AE-PM-DOM10A



UTILITY MODULE

Features

- PM UTILITY Module is used as a junction box for panel lighting and fan load in control panels. It also has on board 5A Utility socket with switch that can be used for tapping 230V AC by simply plugging any 5A Power plug.
- By default some points are for 230V AC and others are for 110V AC but with the help of external jumpers, complete module can be used at single potential.



TECHNICAL INFORMATION

GENERAL DATA

Protection Circuit	In path of Tube light front and rear, Fan front and rear, rating 1A
Ambient operating temperature	0°C to 50°C
Housing Material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing Color	Green
Conformal Coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

GENERAL DATA

Power Input 1	230V AC, with external wire jumpers 230V AC can be used for Fan load as well
Power Input 2	110V AC, if wire jumpers are not being used

CONNECTION DATA

Input side	PCB Terminals screw (Nominal current: 24A, Rated voltage:250V, Type of connection: Screw type)
Output 1 for Fans and Lights	PCB Terminals screw (Nominal current: 24A, Rated voltage:250V, Type of connection: Screw type)
Output 2	Utility Socket, Current Rating 5A, 32A
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²

GENERAL DATA

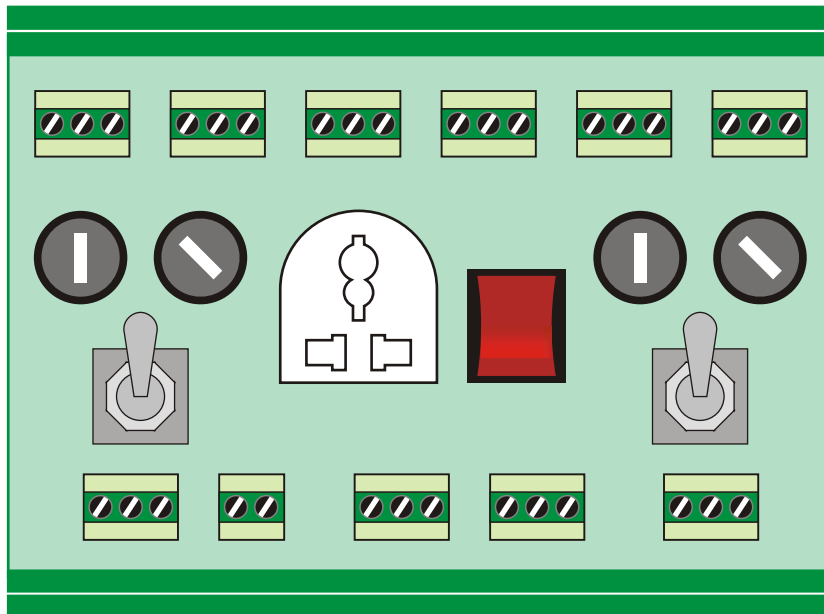
Output 1	230V AC / 110V AC for two Fans, two Lights
Output 2	230 V AC Utility Socket

ORDERING INFORMATION

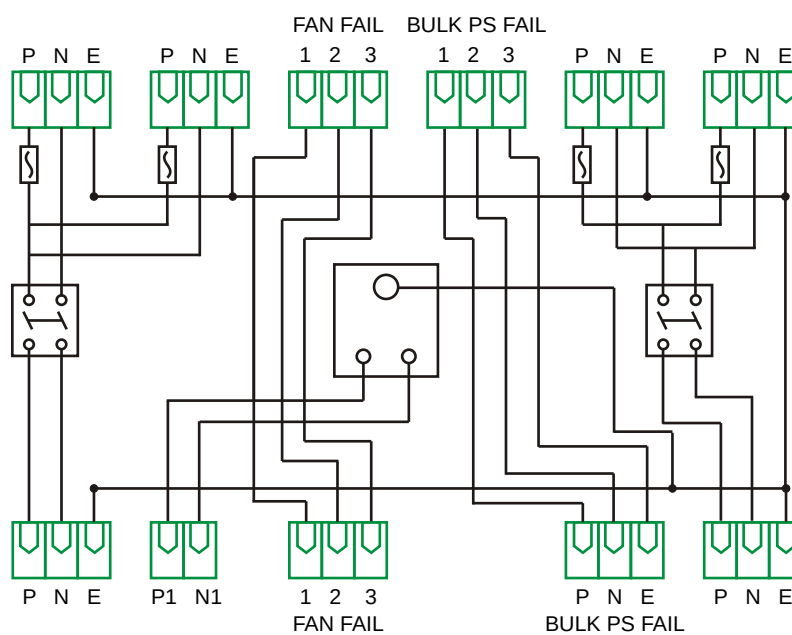
O-Ring Diode 10A

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100132	AE-PM-UTILITY MODULE	135 x 90 x 65

Layout Diagram of AE-PM-UTILITY MODULE



Connection Diagram of AE-PM-UTILITY MODULE



PREFABRICATED ROUND CABLES WITH D-SUB CONNECTOR

Features

- Shielded/ non shielded cable assembly is available.
- Available in all customize lengths.
- Shielded/Non Shielded cable assembled with D-Sub
- Available in - 9,15, 25, 37,50 pos

Specifications

- Cable conductor cross-section - AWG26/0.14 mm² , AWG24/0.25 mm²
- Max. permissible current capacity per path-2 A.
- Operating Voltage - 125V AC/DC.



TECHNICAL INFORMATION

Prefabricated non- shielded round cables with D-Sub connector			Prefabricated shielded round cables with D-Sub connector		
Article Nos.	Descriptions	No. of Pos.	Article Nos.	Descriptions	No. of Pos.
11100484:P:n	AE- CABLE-D9SUB/M/DNP/n	9	11100540:P:n	AE- CABLE-Sh/D9SUB/M/DNP/n	9
11100485:P:n	AE- CABLE-D15SUB/M/DNP/n	15	11100541:P:n	AE- CABLE-Sh/D15SUB/M/DNP/n	15
11100486:P:n	AE- CABLE-D25SUB/M/DNP/n	25	11100542:P:n	AE- CABLE-Sh/D25SUB/M/DNP/n	25
11100487:P:n	AE- CABLE-D37SUB/M/DNP/n	37	11100543:P:n	AE- CABLE-Sh/D37SUB/M/DNP/n	37
11100488:P:n	AE- CABLE-D50SUB/M/DNP/n	50	11100544:P:n	AE- CABLE-Sh/D50SUB/M/DNP/n	50
11100489:n	AE- CABLE-D9SUB/M/BE/n	9	11100545:n	AE- CABLE-Sh/D9SUB/M/BE/n	9
11100490:n	AE- CABLE-D15SUB/M/BE/n	15	11100546:n	AE- CABLE-Sh/D15SUB/M/BE/n	15
11100491:n	AE- CABLE-D25SUB/M/BE/n	25	11100547:n	AE- CABLE-Sh/D25SUB/M/BE/n	25
11100492:n	AE- CABLE-D37SUB/M/BE/n	37	11100548:n	AE- CABLE-Sh/D37SUB/M/BE/n	37
11100493:n	AE- CABLE-D50SUB/M/BE/n	50	11100549:n	AE- CABLE-Sh/D50SUB/M/BE/n	50
11100494:P:n	AE- CABLE-D9SUB/F/DNP/n	9	11100550:P:n	AE- CABLE-Sh/D9SUB/F/DNP/n	9
11100495:P:n	AE- CABLE-D15SUB/F/DNP/n	15	11100551:P:n	AE- CABLE-Sh/D15SUB/F/DNP/n	15
11100496:P:n	AE- CABLE-D25SUB/F/DNP/n	25	11100552:P:n	AE- CABLE-Sh/D25SUB/F/DNP/n	25
11100497:P:n	AE- CABLE-D37SUB/F/DNP/n	37	11100553:P:n	AE- CABLE-Sh/D37SUB/F/DNP/n	37
11100498:P:n	AE- CABLE-D50SUB/F/DNP/n	50	11100554:P:n	AE- CABLE-Sh/D50SUB/F/DNP/n	50
11100499:n	AE- CABLE-D9SUB/F/BE/n	9	11100555:n	AE- CABLE-Sh/D9SUB/F/BE/n	9
11100500:n	AE- CABLE-D15SUB/F/BE/n	15	11100556:n	AE- CABLE-Sh/D15SUB/F/BE/n	15
11100501:n	AE- CABLE-D25SUB/F/BE/n	25	11100557:n	AE- CABLE-Sh/D25SUB/F/BE/n	25
11100502:n	AE- CABLE-D37SUB/F/BE/n	37	11100558:n	AE- CABLE-Sh/D37SUB/F/BE/n	37
11100503:n	AE- CABLE-D50SUB/F/BE/n	50	11100559:n	AE- CABLE-Sh/D50SUB/F/BE/n	50
11100504:n	AE- CABLE-D9SUB/F/M/n	9	11100560:n	AE- CABLE-Sh/D9SUB/F/M/n	9
11100505:n	AE- CABLE-D15SUB/F/M/n	15	11100561:n	AE- CABLE-Sh/D15SUB/F/M/n	15
11100506:n	AE- CABLE-D25SUB/F/M/n	25	11100562:n	AE- CABLE-Sh/D25SUB/F/M/n	25
11100507:n	AE- CABLE-D37SUB/F/M/n	37	11100563:n	AE- CABLE-Sh/D37SUB/F/M/n	37
11100508:n	AE- CABLE-D50SUB/F/M/n	50	11100564:n	AE- CABLE-Sh/D50SUB/F/M/n	50

Note DNP : Design Number 1,2... M : Male connector
 BE : Both end F : Female connector
 n : length in meter

PREFABRICATED ROUND CABLES WITH FRC CONNECTOR

Features

- Shielded/ non shielded cable assembly is available.
- Available in all customize lengths.
- Shielded/Non Shielded cable assembled with FRC connectors at both ends/one end and other end open fitted with ferrules / lugs.
- Available in -10,14,16,20, 26,34,40,50.

Specifications

- Cable conductor cross-section - AWG26/0.14 mm²
- Max. permissible current capacity per path-1 A.
- Operating Voltage - 50V AC/ 60V DC.



TECHNICAL INFORMATION

Prefabricated non- shielded round cables with FRC connector			Prefabricated shielded round cables with FRC connector		
Article Nos.	Descriptions	No. of Pos.	Article Nos.	Descriptions	No. of Pos.
11100464:P:n	AE- CABLE-IDC 10/DNP/n	10	11100520:P:n	AE- CABLE-Sh/IDC 10/DNP/n	10
11100465:P:n	AE- CABLE-IDC 14/DNP/n	14	11100521:P:n	AE- CABLE-Sh/IDC 14/DNP/n	14
11100466:P:n	AE- CABLE-IDC 16/DNP/n	16	11100522:P:n	AE- CABLE-Sh/IDC 16/DNP/n	16
11100467:P:n	AE- CABLE-IDC 20/DNP/n	20	11100523:P:n	AE- CABLE-Sh/IDC 20/DNP/n	20
11100468:P:n	AE- CABLE-IDC 26/DNP/n	26	11100524:P:n	AE- CABLE-Sh/IDC 26/DNP/n	26
11100469:P:n	AE- CABLE-IDC 34/DNP/n	34	11100525:P:n	AE- CABLE-Sh/IDC 34/DNP/n	34
11100470:P:n	AE- CABLE-IDC 40/DNP/n	40	11100526:P:n	AE- CABLE-Sh/IDC 40/DNP/n	40
11100471:P:n	AE- CABLE-IDC 50/DNP/n	50	11100527:P:n	AE- CABLE-Sh/IDC 50/DNP/n	50
11100472:P:n	AE- CABLE-IDC 60/DNP/n	60	11100528:P:n	AE- CABLE-Sh/IDC 60/DNP/n	60
11100473:P:n	AE- CABLE-IDC 64/DNP/n	64	11100529:P:n	AE- CABLE-Sh/IDC 64/DNP/n	64
11100474:n	AE- CABLE-IDC 10/BE/n	10	11100530:n	AE- CABLE-Sh/IDC 10/BE/n	10
11100475:n	AE- CABLE-IDC 14/BE/n	14	11100531:n	AE- CABLE-Sh/IDC 14/BE/n	14
11100476:n	AE- CABLE-IDC 16/BE/n	16	11100532:n	AE- CABLE-Sh/IDC 16/BE/n	16
11100477:n	AE- CABLE-IDC 20/BE/n	20	11100533:n	AE- CABLE-Sh/IDC 20/BE/n	20
11100478:n	AE- CABLE-IDC 26/BE/n	26	11100534:n	AE- CABLE-Sh/IDC 26/BE/n	26
11100479:n	AE- CABLE-IDC 34/BE/n	34	11100535:n	AE- CABLE-Sh/IDC 34/BE/n	34
11100480:n	AE- CABLE-IDC 40/BE/n	40	11100536:n	AE- CABLE-Sh/IDC 40/BE/n	40
11100481:n	AE- CABLE-IDC 50/BE/n	50	11100537:n	AE- CABLE-Sh/IDC 50/BE/n	50
11100482:n	AE- CABLE-IDC 60/BE/n	60	11100538:n	AE- CABLE-Sh/IDC 60/BE/n	60
11100483:n	AE- CABLE-IDC 64/BE/n	64	11100539:n	AE- CABLE-Sh/IDC 64/BE/n	64

Note DNP : Design Number 1,2... M : Male connector
 BE : Both end F : Female connector
 n : length in meter

PREFABRICATED ROUND CABLES WITH ELCO/EDAC CONNECTOR

Features

- Shielded/ non shielded cable assembly is available.
- Available in all customize lengths.
- Shielded/Non Shielded cable assembled with ELCO/EDAC connectors at both ends/one end and other end open fitted with ferrules / lugs.
- Available in -20/38/56/90/120

Specifications

- Cable conductor cross-section - AWG26/0.14 mm²
- Max. permissible current capacity per path-2A.
- Operating Voltage- 125V AC/DC.



TECHNICAL INFORMATION

Prefabricated non- shielded round cables with ELCO/EDAC connector			Prefabricated shielded round cables with ELCO/EDAC connector		
Article Nos.	Descriptions	No. of Pos.	Article Nos.	Descriptions	No. of Pos.
11100509:n	AE- CABLE-ELCO 20/n	20	11100565:n	AE- CABLE-Sh/ELCO 20/n	20
11100510:n	AE- CABLE-ELCO 38/n	38	11100566:n	AE- CABLE-Sh/ELCO 38/n	38
11100511:n	AE- CABLE-ELCO 56/n	56	11100567:n	AE- CABLE-Sh/ELCO 56/n	56
11100512:n	AE- CABLE-ELCO 90/n	90	11100568:n	AE- CABLE-Sh/ELCO 90/n	90
11100513:n	AE- CABLE-ELCO 120/n	120	11100569:n	AE- CABLE-Sh/ELCO 120/n	120
11100514:P:n	AE- CABLE-ELCO 20/DNP/n	20	11100570:P:n	AE- CABLE-Sh/ELCO 20/DNP/n	20
11100515:P:n	AE- CABLE-ELCO 38/DNP/n	38	11100571:P:n	AE- CABLE-Sh/ELCO 38/DNP/n	38
11100516:P:n	AE- CABLE-ELCO 56/DNP/n	56	11100572:P:n	AE- CABLE-Sh/ELCO 56/DNP/n	56
11100517:P:n	AE- CABLE-ELCO 90/DNP/n	90	11100573:P:n	AE- CABLE-Sh/ELCO 90/DNP/n	90
11100518:P:n	AE- CABLE-ELCO 120/DNP/n	120	11100574:P:n	AE- CABLE-Sh/ELCO 120/DNP/n	120

Note DNP : Design Number 1,2... M : Male connector
 BE : Both end F : Female connector
 n : length in meter

PREFABRICATED ROUND CABLES WITH RJ45 CONNECTOR

Features

- Prefabricated cables with RJ45 connector consists of a length of cable with a male modular plug crimped to each end of the cable. The RJ45 plugs have 8 flat conductor contacts placed parallel to the connector body to reduce assembly time and improve termination quality in the field.
- RJ45 is a type of communication protocol that is used for Ethernet and other long distance communications. In this type of communication, Data is transmitted between two electronics devices like Microcontrollers or Microprocessors over a very long distance without getting it lost.

Specifications

- Shielded/ non shielded cable assembly is available.
- Available in all customize lengths.
- Shielded/Non Shielded cable assembled with Rj45 connectors at both ends.



TECHNICAL INFORMATION

Prefabricated non- shielded round cables with RJ45 connector			Prefabricated shielded round cables with RJ45 connector		
Article Nos.	Descriptions	No. of Pos.	Article Nos.	Descriptions	No. of Pos.
11100519:n	AE- CABLE-RJ45/n	8	11100575:n	AE- CABLE-Sh/RJ45/n	8

Note n : length in meter

CNC Interface Modules are specially designed for interfacing CNC machines controllers having 24 inputs and 16 outputs with system peripherals.

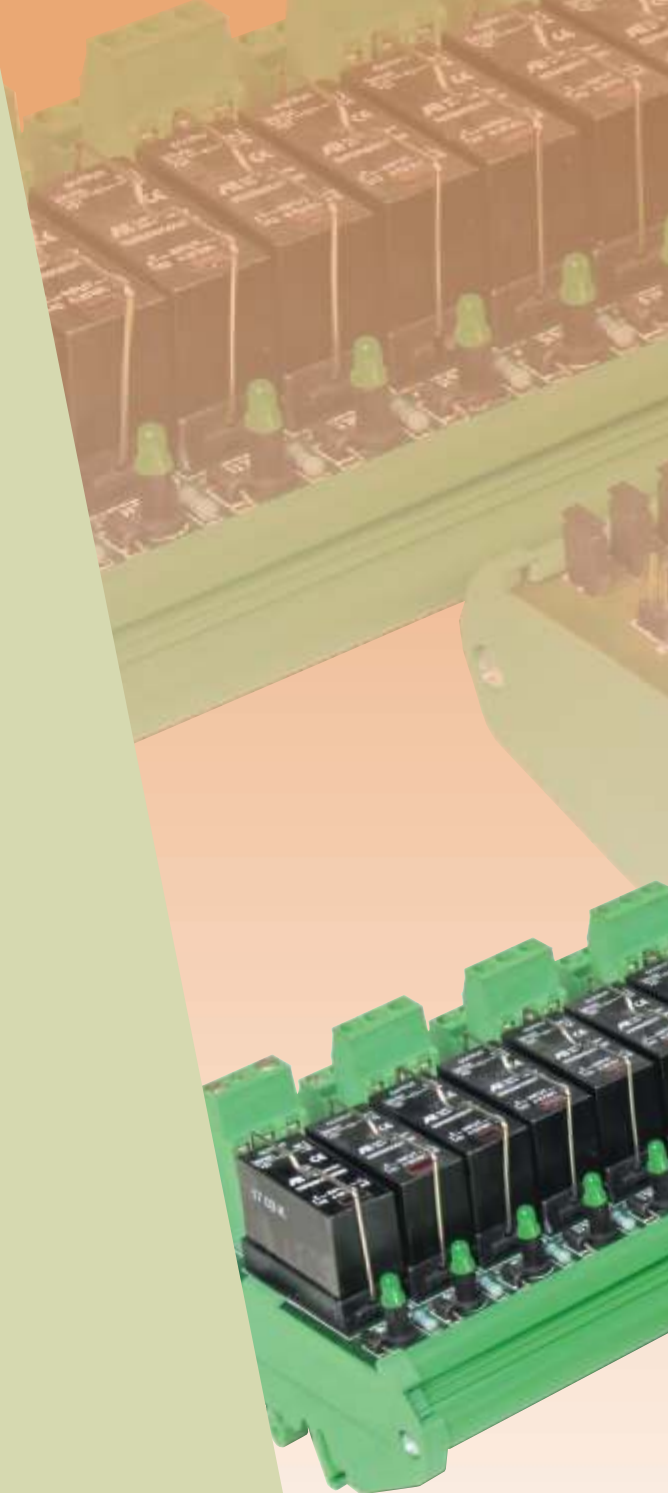
This Module is combination of one passive Module (for CNC inputs) and 16 Channel Relay Interface Module (for CNC outputs).

CNC input and outputs shall be terminated on FRC 50 connector on the incoming side of CNC interface module. From there are inputs signals are directly carried on the screw terminal and the output signals are also connected to screw terminals via interposing relays, for 24 VCD, 1 Changeover.

Various versions with Electromechanical and Solid State relays, with fuses in relay contacts are also available.

Also provided option of Solid State relays which can be mounted on same foot print of G2RL Relay.

The modules are suitable for CNC machine and Siemens and Fanuc make.





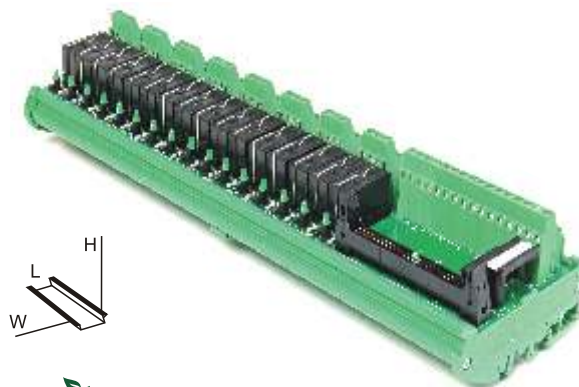
CNC INTERFACE MODULE

www.agility.net.in

CNC MODULE WITH ELECTROMECHANICAL RELAY

Features

- Designed for interfacing CNC Machine controllers having 24 inputs and 16 outputs with System Peripherals.
- Coil Voltage 24V DC.
- Switching Current 12A at 24V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- 50 Pin FRC Connector.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- With Screw Terminals, Spring Terminals on request
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	24V DC
Coil resistance (Ohms)	1440
Rated coil current (mA)	16.7
Number of signals driving relays	16
Power consumption (mW Approx.)	400

RELAY DATA

Relay make	OMRON G2RL Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Output voltage for direct signals	Ag-alloy (Cd free)
Output voltage for on signals through relay	24V DC / 250V AC
Contact material	Ag-alloy (Cd free)
Rated current (Resistive)	12A at 250V AC/24V DC
Contact resistance	100 mOhm max.
Operate time	15 ms max.
Release time	DC: 5 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)

CONNECTION DATA

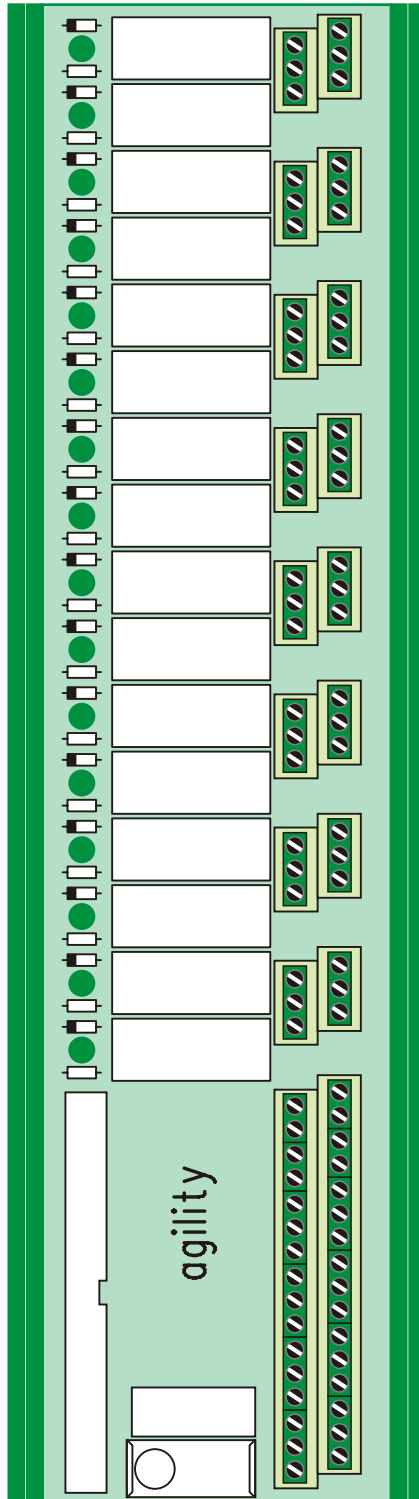
Input	50 Pin FRC connector
Make	Omron or equivalent
Output	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

ORDERING INFORMATION

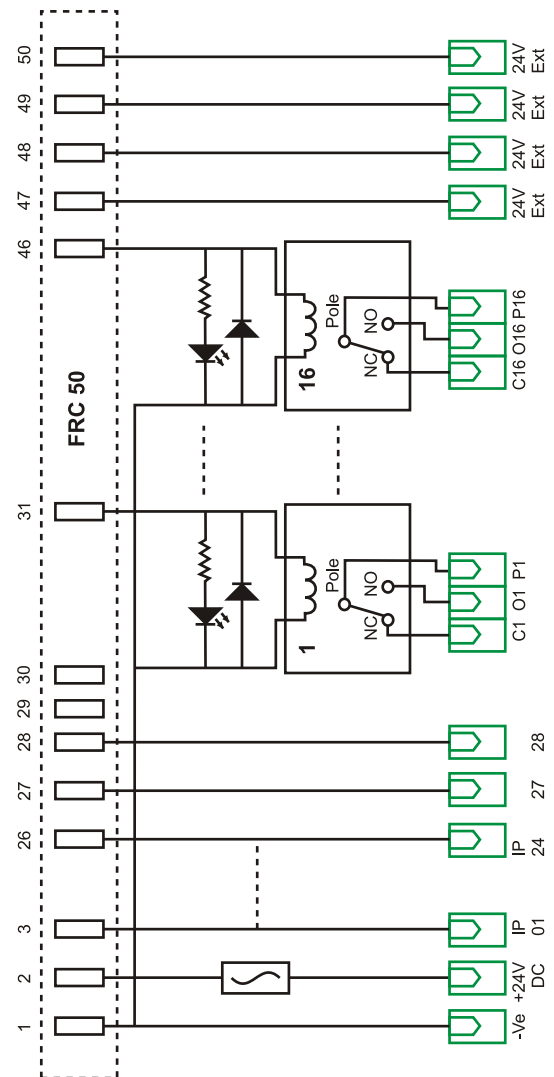
CNC Module with Electromechanical Relay

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100231	AE-16-024D-1-B-CNC	312 x 90 x 65

Layout Diagram of AE-16-024D-1-B-CNC



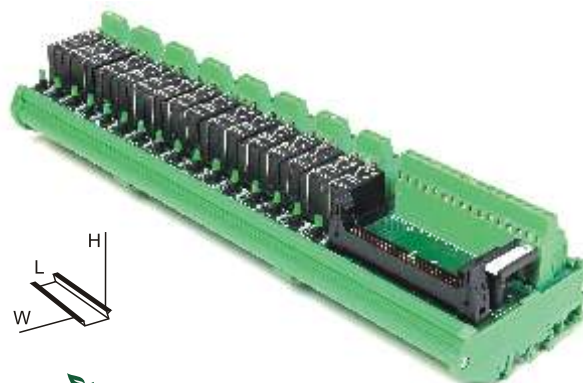
Connection Diagram of AE-16-024D-1-B-CNC



CNC MODULE WITH SOLID STATE RELAY

Features

- Designed for interfacing CNC Machine controllers having 24 inputs and 16 outputs with System Peripherals.
- Input Voltage 3-32V DC.
- Output Voltage 3-50V DC.
- Rated current 5A.
- Freewheeling Diode across relay coil for protection.
- 50 Pin FRC Connector.
- LED indication to denote relay actuation.
- Available with Pluggable relays, directly soldered on request.
- With Screw Terminals, Spring Terminals on request
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY INPUT DATA

Rated coil voltage	24V DC
Minimum voltage	3V DC
Maximum voltage	32V DC
Input Maximum current	15.3 mA (for DC output) 17.3 mA (for AC output)

RELAY DATA

Relay make	Agility or equivalent
Output voltage	DC
Relay approvals	CE

CONNECTION DATA

Input	50 Pin FRC connector
Make	Omron or equivalent
Output	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY OUTPUT DATA

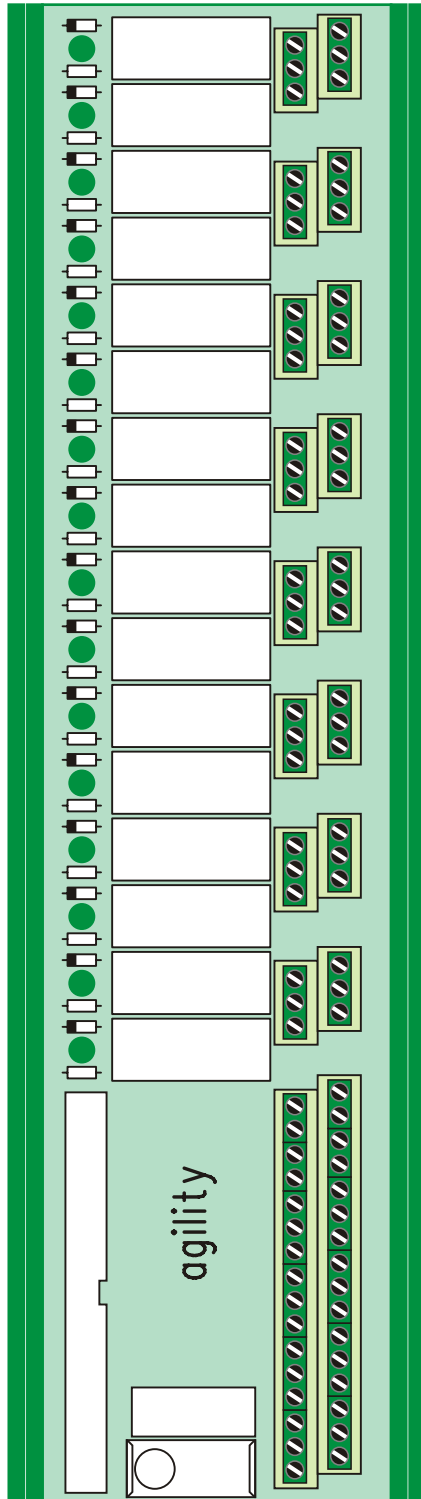
Nominal operating voltage	24V DC
Minimum operating voltage	3V DC
Maximum operating voltage	50V DC
Maximum load current	5A
Maximum turn on time	100 μs
Maximum turn off time	960 μs
Input/Output isolation voltage	2500V
SSR output type	MOSFET

ORDERING INFORMATION

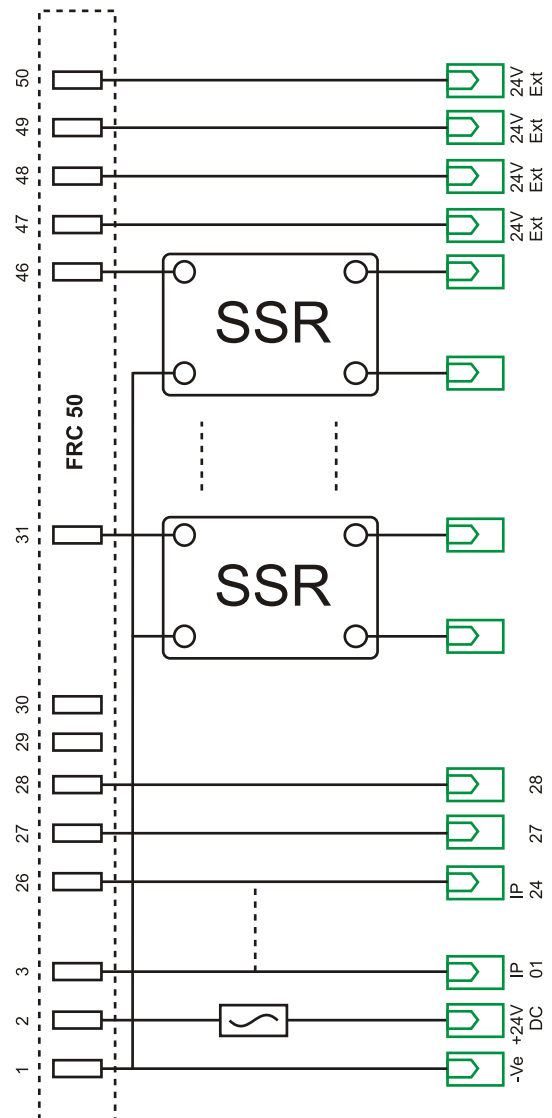
CNC Module with SSR Relay

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100341	AE-S-16-024D-1-B-CNC	312 x 90 x 65

Layout Diagram of AE-S-16-024D-1-B-CNC



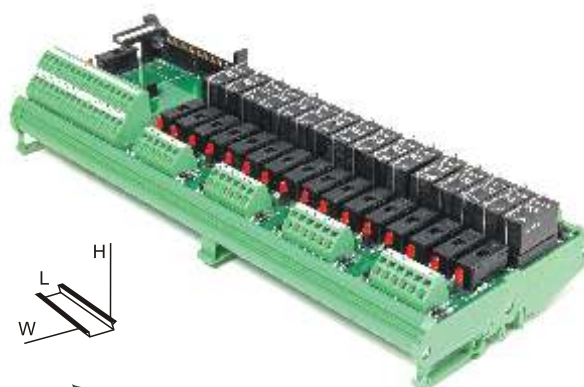
Layout Diagram of AE-S-16-024D-1-B-CNC



CNC MODULE WITH SOLID STATE RELAYS, SPRING TERMINALS AND FUSE & FUSE FAIL INDICATION

Features

- Designed for interfacing CNC Machine controllers having 24 inputs and 16 outputs with System Peripherals.
- Input Voltage 3-32V DC.
- Output Voltage 3-50V DC.
- Rated current 5A.
- Freewheeling Diode across relay coil for protection.
- 50 Pin FRC Connector.
- Fuse & Fuse Blow indication at output.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- With Spring Terminals, Screw Terminals on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Output protection	Horizontal fuse 5x20 mm of 2A rating in common path of each contact of each relay
Fuse fail indication	3 mm Red LED to indicate fuse fail
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY INPUT DATA

Rated coil voltage	24V DC
Minimum voltage	3V DC
Maximum voltage	32V DC
Input Maximum current	15.3 mA (for DC output) 17.3 mA (for AC output)

RELAY DATA

Relay make	Agility or equivalent
Output voltage	DC
Relay approvals	CE

CONNECTION DATA

Input	50 Pin FRC connector
Make	Omron or equivalent
Output	PCB Spring Terminals (Nominal current: 24A, Rated voltage: 250V, Type of connection: Spring connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

RELAY OUTPUT DATA

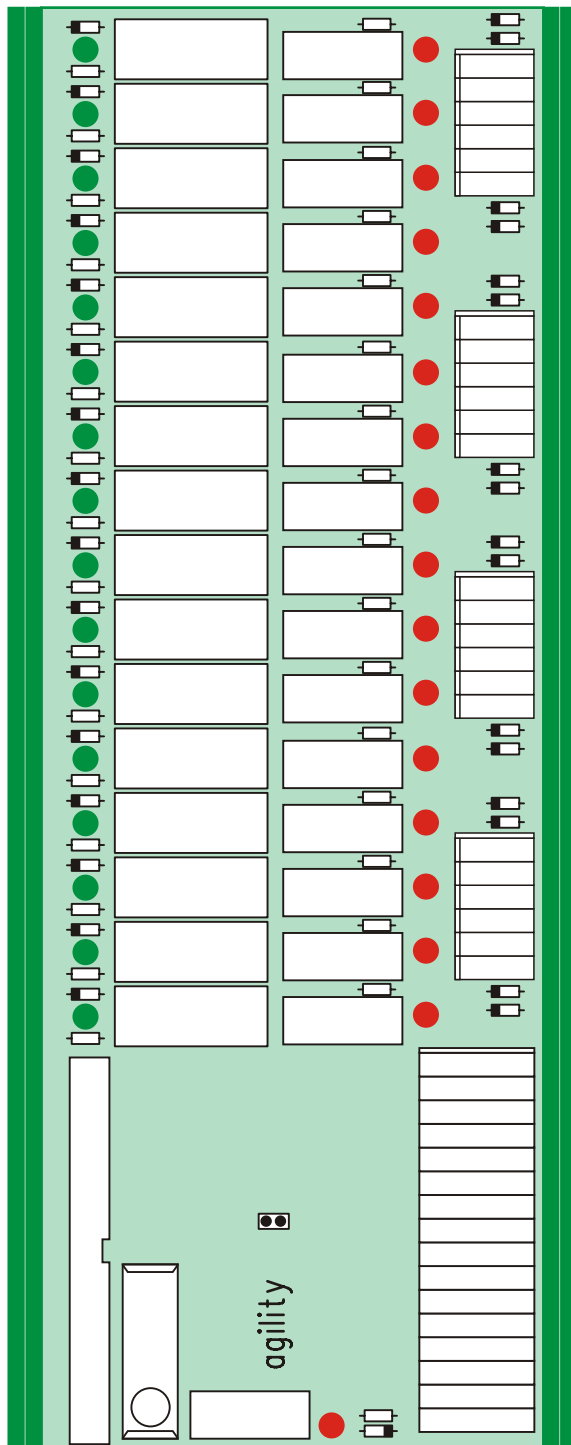
Nominal operating voltage	24V DC
Minimum operating voltage	3V DC
Maximum operating voltage	50V DC
Maximum load current	5A
Maximum turn on time	100 µs
Maximum turn off time	960 µs
Input/Output isolation voltage	2500V
SSR output type	MOSFET

ORDERING INFORMATION

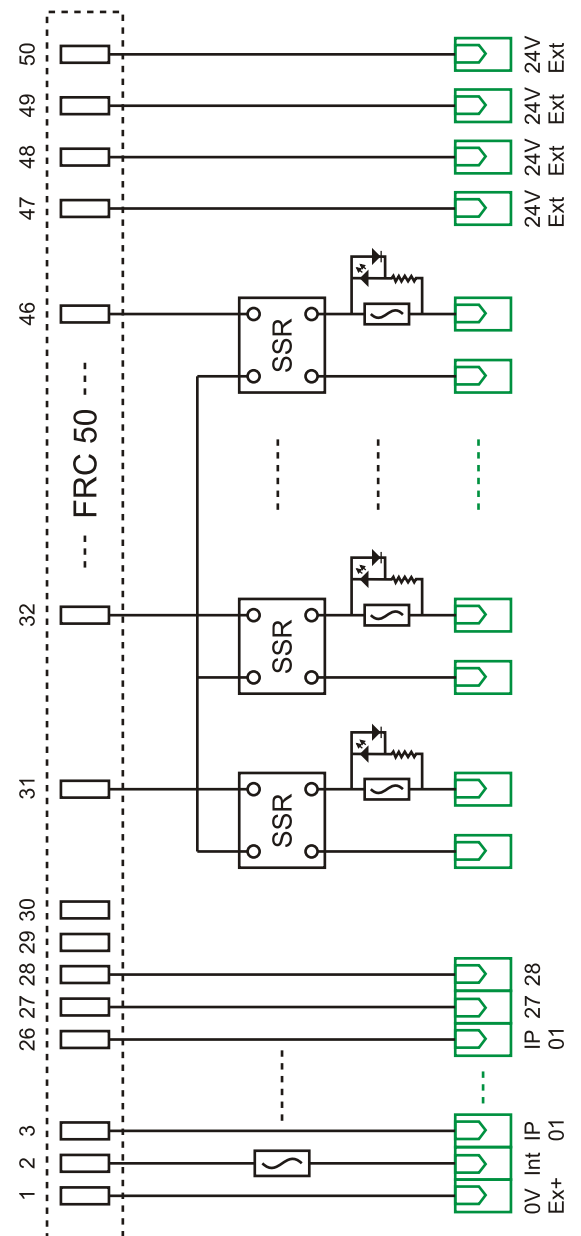
CNC Module

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100139	AE-S-16-024D-1-B-CNC-S	311 x 126 x 65

Layout Diagram of AE-S-16-024D-1-B-CNC-S



Connection Diagram of AE-S-16-024D-1-B-CNC-S



Digital input/output modules are designed to interface input/output modules of specific PLC and system peripherals with high switching capacity. It saves wiring costs with the help of high density connector at system side.

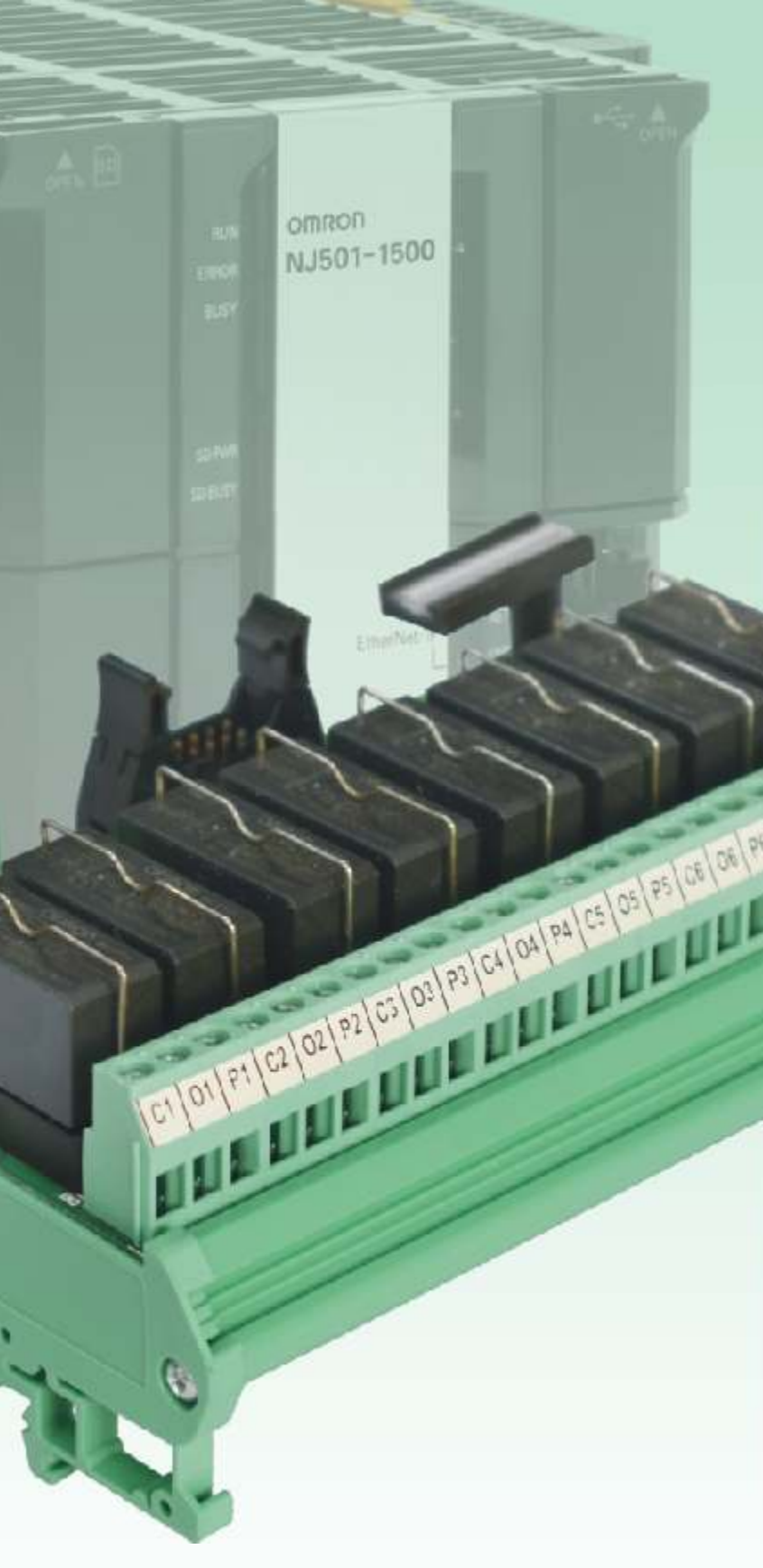
Different combinations of relays are equipped to interface 8/16/32 channel input /output modules through High Density connectors (FRC/D-Sub) to simplify the wiring of PLC panels.

All the signals are carried to the output screw terminals through either electromechanical or solid state relays, 24VDC, one changeover. All the modules are equipped with LED for Coil status indication at front side and Free Wheeling diodes for Reverse Polarity Protection function.

Both redundant and non-redundant modules are available and customization to meet specific system requirements is also possible.

The digital input/output modules are suitable to interface PLCs such as Schneider, Siemens, GE and Panasonic.





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PLC INTERFACE MODULE



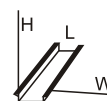
Interface Solution from
AGILITY

www.agility.net.in

DIGITAL INPUT / OUTPUT MODULE FOR PLC

Features

- The Digital Input/Output Modules are designed for interfacing specific PLCs (Schneider, Siemens, GE and Panasonic). 8/16/32 channel signals are accommodate through High Density connectors (FRC/D-Sub) to simplify the wiring of PLC panels. Customization for specific PLC requirement is also possible.
- Freewheeling Diode across relay coil for protection
- Jumpers are provided for Selection between positive/negative looping.
- LED indication to denote relay actuation
- Available with pluggable relays, directly soldered on request.
- Available with fully sealed relays
- Available with Solid State Relays also
- Available in compact module.
- Mountable on Universal DIN Rail



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	8/16/32 channels other than specified available on request.
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 for polarity protection
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY DATA (Electromechanical Relays)

Relay make	Omron or equivalent
Output voltage	1 C/O (SPDT)
Relay approvals	

CONNECTION DATA (Electromechanical Relays)

Input (Coil) Side	FRC/D-Sub connector
Make	Omron or equivalent
Output	PCB Spring Terminals (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

COIL DATA

Rated coil voltage	5V DC	12V DC	24V DC	48V DC
Coil resistance (Ohms)	62.5	360	1440	5358
Rated coil current (mA)	80.0	33.30	16.7	8.96
Must operate voltage	70% max. of rated voltage			
Must release voltage	10% max. of rated voltage			
Maximum voltage	130% at 85°C			
Power consumption (mW Approx.)	400	400	400	430

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	10A at 250V AC & 10A at 30V DC 7.5A at 250V AC & 5A at 30V DC
Minimum switching voltage	380V AC, 125 V DC
Contact resistance	30mOhm max.
Operate time	15 ms max.
Release time	AC: 10 ms max.
Insulation resistance	100M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)
Mechanical life expectancy	10,000,000 operations min for AC coil
Electrical life expectancy	100,000 operations min. (At max. Operations frequency & max. Load current)

ORDERING INFORMATION

Digital Input/Output Module with Electro-Mechanical Relays

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100364	AE-16-024D-1-B-N-F20	225 x 90 x 60
11100441	AE-08-024D-1-B-F10-P	128 x 90 x 60

Digital Input/Output Module (Compact) with EMR

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100447	AE-08-024D-1-B-F10-N (SL-108)	69 x 126 x 60

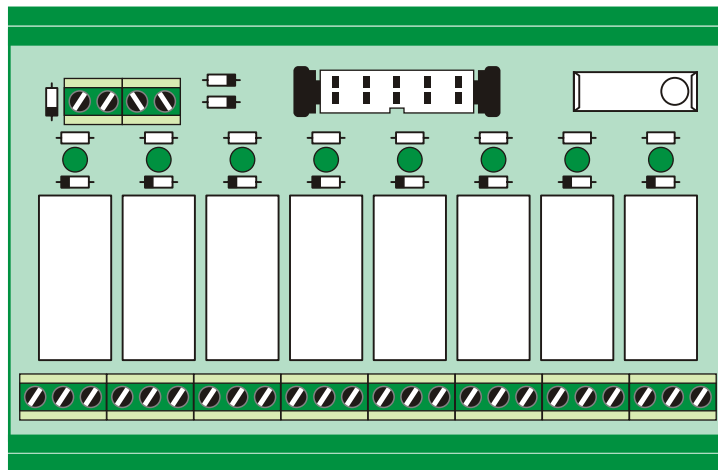
Digital Input/Output Module with Solid State Relays

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100459	AE-S-16-024D-024D-1-B-N-F20	225 x 90 x 60

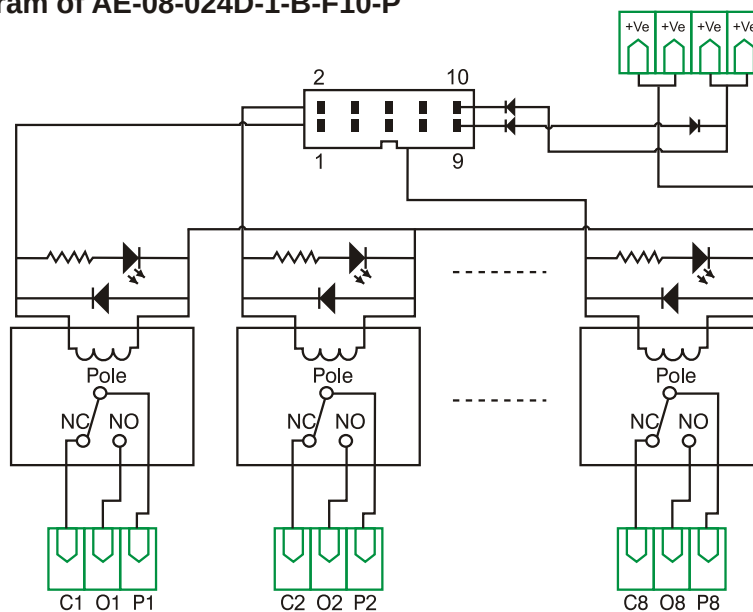
Digital Input/Output Redundant Module with EMR

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100432	AE-08-024D-D25M-1-B-DO (R)	144 x 126 x 60

Layout Diagram of AE-08-024D-1-B-F10-P



Connection Diagram of AE-08-024D-1-B-F10-P



Agility is one of leading distributor specialized in electromagnetically components. As an authorized partner of Omron Electronic Components, one of the world's largest manufacturer of electric and electronic components. Agility offer a wide product range of highquality components. Furthermore, products of other renowned manufactures complete this wide product assortment.

Agility have extensive technical expertise - which makes us stand out from other companies that purely retail. Agility provides the highest customer-oriented service based on technical competence.

Agility offers wide range of components for EMS/Device Manufacturers which includes relays, connectors, sockets, switches, photomicro sensors, cables, lugs & ferrules and tools etc.



COMPONENTS FOR INTERFACE MODULES AND CABLE ASSEMBLY



Interface Solution from
AGILITY

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RELAYS

**G2RL RELAY**

- General purpose, Fully sealed, High Capacity and Low Profile Relay with 15.7 mm max. In height.
- Cadmium-free contacts ensuring environment-friendly use.
- Available in 1 or 2 pole, 5V, 12V, 24V and 48VDC
- UL, CSA and VDE approved, RoHS compliant

**G2R RELAY**

- General purpose, Fully sealed, High Capacity (1 Pole) Relay.
- 1Pole/2Poles with SPDT/SPST-NO/DPDT/DPST-NO
- DC - 5,6,12,24,48,100 V
- AC- 12,24,110,230 V
- UL, CSA and VDE approved, RoHS compliant

**G2R-S RELAY**

- General Purpose, Slim and Space-saving Power Plug-in Relay
- Lockable test button models available
- Built-in mechanical operation indicator.
- High switching power (1-pole: 10 A)
- 5,6,12,24,48,110 V
- 6,12,24,110,230 V
- UL,CSA,VDE,IEC,ROHS

**MY-GS RELAY**

- High Durability, Miniature Power Relays with Mechanical Indicators
- A lineup of models with latching levers added for easier circuit checking.
- DC - 6,12,24,48,110 V
- AC - 12,24,48,100/110,200/220 V
- UL,CSA,VDE,IEC,ROHS,CE

**LY RELAY**

- Power-switching Compact General-purpose Relays
- 1 Pole/2Poles/3Poles/4Poles with SPDT/DPDT/3PDT/4PDT
- DC - 12,24,48,110 V
- AC – 12,24,48,100/110,200/220 V
- UL,CSA,VDE,IEC,ROHS,CE



SNR RELAY

- General Purpose, Slim and Space-saving Plug-in Relay
- Cadmium-free contacts, AgNi 90/10 for AC-loads
- 1 Pole and type: SPDT/SPST-NO
- DC – 5,12,24,48,60 V
- UL,VDE,ROHS



RSS RELAY

- General Purpose, Slim and Space-saving Plug-in Relay
- 1 Pole with SPDT/SPST-NO
- DC – 5,12,24,48,60 V
- UL, VDE, ROHS



G5Q RELAY

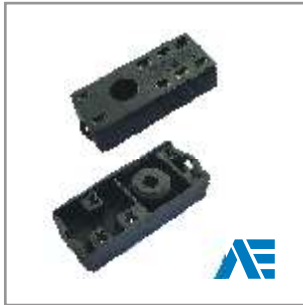
- A Miniature Power Relay with 1-pole 10A Switching Capacity
- Excellent switching performance for a variety of loads.
- Small, yet provide 8-kV impulse withstand voltage (between coil and contacts).
- SPST-NO, SPDT contact type
- Coil Voltage: DC 5, 9, 12 and 24 V
- Contact: 277 VAC, 10A/30 VDC, 5A
- RoHS Compliant, UL, VDE, CQC, CSA Approvals



SSR RELAY

- Pin to pin compatibility with G2R/G2RL electromechanical relays.
- LED input voltage.
- Non-polarized input.
- Rated operational current into 5A for DC load models & 3A for AC load models.
- Output voltage from 24V AC to 280V AC or from 3V DC to 50V DC.

SOCKETS



AE SOCKET

- 1 Pole/5 PIN, 2 Poles/8 PIN
- 240/400VAC, 8A/12A
- SPDT: AE-S1X-5PIN
- DPDT: AE-S11X-8PIN
- Suitable for Omron: G2R-1/G2RL-1 & G2R-2/G2RL-2, TYCO: RZ, RT1, RT2 & XT, IDEC: RJ1V & RJ2V, WEIDMULLER: RCI
- Approvals: CE, ROHS



P2R SOCKET

- 1 Pole/5 PIN, 2 Poles/8 PIN
- 240/400VAC, 10A/6A
- SPDT: P2R-05P/OMRON
- DPDT: P2R-08P/OMRON
- Suitable for Omron: G2R-1-S & G2R-2-S and IDEC: RJ1S & RJ2S
- Approvals: UL, ROHS



PY SOCKET

- 2 Poles/8 PIN, 4 Poles/14 PIN
- 240/400VAC, 10A/6A
- DPDT: PY08-02/ OMRON
- 4DPT: PY14-02/ OMRON
- Suitable for Omron: MY2-GS & MY4-GS, IDEC: RU2S & RU4S, TYCO: PT, WEIDMULLER: DRM
- Approvals: UL, ROHS



PT SOCKET

- 1 Pole/8PIN, 2 Poles/8 PIN, 3 Poles/11 PIN, 4 Poles/14 PIN
- 240/400VAC, 15A/10A
- SPDT: PT08-0 /OMRON
- DPDT: PT08-0 /OMRON
- 3PDT: PT11-0/ OMRON, 4PDT: PT14-0/OMRON
- Suitable for Omron: LY1-0, LY2-0, LY3-0 & LY4-0 and IDEC: RH-1, RH2, RH3, RH4
- Approvals: UL, ROHS



AGR SOCKET

- 1 Pole, SPDT
- 300 VAC, 6A
- AGR05-P/AGILITY
- Suitable for WEIDMULLER: RSS113024(24V DC), RSS113012(12V DC), RSS113005(5V DC)
- TYCO: V23092-A1024-A301(24V DC), V23092-A1012-A301(12V DC), V23092-A1005-A301(5V DC), PXC: REL-MR 24DC/21 (24V DC)
- Approvals: CE, ROHS



FRC CONNECTORS

- Connectors, Sockets, Strain Reliefs, Plugs for XG4/Sockets, Semi-Covers, Hood Covers JDC Tools for Xg5.
- 1A for XG4/3A for Xg5
- 250 VAC, 300 VAC for XG4/300VAC for Xg5
- 20mOhms(max)
- 10 to 64 (depending on specific part no.)
- Guides: 0,1,2
- 500VAC for 1 minute for XG4/650VAC for 1 minute for XG5 Ambient
- -55 to 105C (with no icing) for XG4/-55 to 85C (with no icing) for XG5



D-SUB CONNECTORS & HOOD

- Sockets/Plug with DIP Terminals, high Density Plug/Sockets for XG3-L/ Dip Terminal, Solder Cup, Variant of hood cover for Xm3
- 3A
- 300VAC
- 20mOhms(max) FOR XG3-L/15mOhms(max)
- 9,15,25 for standard, 15 for high density for XG3-L/9,15,25,37 for Xm3
- 1000VAC for 1 minute
- minus 25 to 105C for XG3-L/-55 to 105C for XM3



EDAC CONNECTORS

- Plug & Receptacle in 20,38,56,90 or 120 contact sizes Edacon Hermaphroditec contact mating design.
- 8.5A
- 2000 VAC rms at sea level
- 10 mOhms (max)
- Gold over Nickel
- minus 65 to 125C



EDAC HOOD & TOOLS

- Plug & Receptacle in 20,38,56,90 or 120 contact sizes Edacon Hermaphroditec contact mating design.
- 8.5A
- 2000 VAC rms at sea level
- 10 mOhms (max)
- Gold over Nickel
- minus 65 to 125C