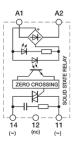
## XCM1T024





## 1 solid state relay 24Vdc zero crossing 3A-(AC) screw, pluggable

| Type   CM1T024     HS code   85364190     NPUT TECHNICAL DATA   | Series                                  | СМ                                       |
|---|---|--|
| Fis code   85364190     NPUT TECHNICAL DATA   24 Vdc (range 19.528.5 Vdc)     Pull in / drop out voltage type   19.2 V / 1 V     Current consumption   25 mA ±10% at 24 Vdc     Turn ON / OFF time   11 ms / 11 ms (at 50 Hz)     Frequency   30100 Hz max     Connection terminal   2.5 mm² screw     mput channels   1 pluggable     DUTPUT TECHNICAL DATA   2     Contact type   24.2 Vdc) at 30°C     Contact type   3A (24 Vdc) at 30°C     Connection terminal   3 A (24 Vdc) at 30°C     Continuous current   3 A (24 Vdc) at 30°C     Connection type   5 mA     SENERAL TECHNICAL DATA   20+80°C (derating -0.05 A/°C over 30°C)     put / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Divervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm <approximate td="" weight<="">     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   10</approximate>  | Code                                    | XCM1T024                                 |
| NPUT TECHNICAL DATA     input rated voltage   24 Vdc (range 19.528.5 Vdc)     Pull in / drop out voltage type   19.2 V / 1 V     Courrent consumption   25 mA ±10% at 24 Vdc     Turn ON / OFF time   11 ms / 11 ms (at 50 Hz)     Frequency   30100 Hz max     Connection terminal   2.5 mm² screw     input factorial   2.5 mm² screw     opt Frequency   24 Vdc (at 30 °C     Contact type   zero crossing triac     DUTPUT TECHNICAL DATA   Contact type     Contact type   zero crossing triac     Dutput voltage   48280 Vac     Nominal current   3 A (24 Vdc) at 30°C     Connection type   Sema     Seneration type   series concolored to the schema s | Туре                                    | CM1T024                                  |
| nput rated voltage24 Vdc (range 19.528.5 Vdc)Pull in / drop out voltage type19.2 V / 1 VCurrent consumption25 mA ±10% at 24 VdcTum ON / OFF time11 ms / 11 ms / (at 50 Hz)Frequency30100 Hz maxConnection terminal2.5 mm² screwinput channels1 pluggableDUTPUT TECHNICAL DATA2ero crossing triacContact type2ero crossing triacOutput voltage48280 VacNominal current3 A (24 Vdc) at 30°CContinuous current120 A for 10 msLeakage current with signal 05 mAConnection type5BENERAL TECHNICAL DATA25 KVac / 60 sDiperating temperature range-20+80°C (derating -0.05 A/°C over 30°C)put put put put solation2.5 KVac / 60 sProtection degreeIP 20Overvoltage category / pollution degreeII / 2Status indicationLED "Input"Housing materialUL94V-0 plastic materialDimensions (LKHXD)16x75x68 mmApproximate weight54 gMounting informationon a rail, side by sideACCESSORIES400405Plugin jumperCMB16B (8 poles)   | HS code                                 | 85364190                                 |
| Pull in / drop out voltage type   19.2 V / 1 V     Current consumption   25 mA ±10% at 24 Vdc     Turn ON / OFF time   11 ms / 11 ms (at 50 Hz)     Frequency   30100 Hz max     Connection terminal   2.5 mm² screw     input channels   1 pluggable     DUTPUT TECHNICAL DATA   2000000000000000000000000000000000000   | INPUT TECHNICAL DATA                    |  |
| Current consumption25 mA ±10% at 24 VdcTurn ON / OFF time11 ms / 11 ms (at 50 Hz)Frequency30100 Hz maxConnection terminal2.5 mm² screwmput channels1 pluggableDUTPUT TECHNICAL DATAContact typeContact typezero crossing triacDutput voltage48280 VacNominal current3 A (24 Vdc) at 30°CConnection type5 mAConnection type5 mASENERAL TECHNICAL DATA5 mADeparating temperature range-20+80°C (derating -0.05 A/*C over 30°C)nput / output isolation2.5 kVac / 60 sProtection degreeIP 20Divervoltage category / pollution degreeII / 2Status indicationLED "Input"Housing materialUL94V-0 plastic materialDimensions (LxHxD)16x75x68 mmApproximate weight54 gMounting informationon a rail, side by sideACCESSORIESMarking tagBare part relay8904405Plugin jumperCMB168 (8 poles)   | Input rated voltage                     | 24 Vdc (range 19.528.5 Vdc)              |
| Innr ON / OFF time11 ms / 11 ms (at 50 Hz)Frequency30100 Hz maxConnection terminal2.5 mm² screwnput channels1 pluggableDUTPUT TECHNICAL DATAZero crossing triacContact typeZero crossing triacOutput voltage48280 VacNominal current3 A (24 Vdc) at 30°CConnection typeSereer crossing triacContinuous current120 A for 10 msLeakage current with signal 05 mAConnection typeSeneer constant of 0.05 A/°C over 30°C)SENERAL TECHNICAL DATADevention tipeSENERAL TECHNICAL DATASeneer constant of 0.05 A/°C over 30°C)Operating temperature range-20+80°C (derating -0.05 A/°C over 30°C)Input / output isolation2.5 kVac / 60 sProtection degreeIP 20Overvoltage category / pollution degreeII / 2Status indicationLED "Input"Housing materialUL94V-0 plastic materialDimensions (LxHxD)16x75x68 mmApproximate weight54 gMounting informationon a rail, side by sideACCESSORIESWounting rail (IEC60715/TH35-7.5)Marking tagalready mountedSpare part relay8904405Plugin jumperCMB168 (8 poles)  | Pull in / drop out voltage type         | 19.2 V / 1 V                             |
| Frequency   30100 Hz max     Connection terminal   2.5 mm² screw     Input channels   1 pluggable     DUTPUT TECHNICAL DATA   Zero crossing triac     Contact type   zero crossing triac     Output voltage   48280 Vac     Nominal current   3 A (24 Vdc) at 30°C     Continuous current   120 A for 10 ms     Leakage current with signal 0   5 mA     Connection type   SENERAL TECHNICAL DATA     Operating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Wounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB168 (8 poles)  | Current consumption                     | 25 mA ±10% at 24 Vdc                     |
| 2.5 mm² screw     nput channels   1 pluggable     DUTPUT TECHNICAL DATA   2ero crossing triac     Dutput voltage   48280 Vac     Nominal current   3 A (24 Vdc) at 30°C     Contact type   2ero crossing triac     Dutput voltage   48280 Vac     Nominal current   3 A (24 Vdc) at 30°C     Contact type   5 mA     Connection type   5 mA     SENERAL TECHNICAL DATA   20+80°C (derating -0.05 A/°C over 30°C)     Operating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     SENERAL TECHNICAL DATA   25 kVac / 60 s     Operating temperature range   -10 NS     Settes indication   2.5 kVac / 60 s     Protection degree   IP 20     Divervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   2     Marking tag   already mounted     Spare part relay   8904405   | Turn ON / OFF time                      | 11 ms / 11 ms (at 50 Hz)                 |
| Input channels1 pluggableDUTPUT TECHNICAL DATAzero crossing triacContact typezero crossing triacDutput voltage48280 VacNominal current3 A (24 Vdc) at 30°CContinuous current120 A for 10 msLeakage current with signal 05 mAConnection typeSENERAL TECHNICAL DATAOperating temperature range-20+80°C (derating -0.05 A/°C over 30°C)Input / output isolation2.5 kVac / 60 sProtection degreeIP 20Overvoltage category / pollution degreeII / 2Status indicationLED "Input"Housing materialUL94V-0 plastic materialDimensions (LxHXD)16x75x68 mmApproximate weight54 gMounting informationon a rail, side by sideACCESSORIESWounting rail (IEC60715/TH35-7.5)PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZBMarking tagalready mountedSpare part relay8904405Plugin jumperCMB16B (8 poles)  | Frequency                               | 30100 Hz max                             |
| DUTPUT TECHNICAL DATA     Contact type   zero crossing triac     Dutput voltage   48280 Vac     Nominal current   3 A (24 Vdc) at 30°C     Continuous current   120 A for 10 ms     Leakage current with signal 0   5 mA     Connection type   5     SENERAL TECHNICAL DATA   20+80°C (derating -0.05 A/°C over 30°C)     Operating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     nput / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Dovervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)  | Connection terminal                     | 2.5 mm <sup>2</sup> screw                |
| Contact typezero crossing triacDutput voltage48280 VacNominal current3 A (24 Vdc) at 30°CContinuous current120 A for 10 msLeakage current with signal 05 mAConnection typeSENERAL TECHNICAL DATAOperating temperature range-20+80°C (derating -0.05 A/°C over 30°C)nput / output isolation2.5 kVac / 60 sProtection degreeIP 20Overvoltage category / pollution degreeII / 2Status indicationLED "Input"Housing materialUL94V-0 plastic materialDimensions (LxHxD)16x75x68 mmApproximate weight54 gMounting informationon a rail, side by sideACCESSORIESMarking tagMarking tagalready mountedSpare part relay8904405Plugin jumperCMB16B (8 poles)  | Input channels                          | 1 pluggable                              |
| Dutput voltage   48280 Vac     Nominal current   3 A (24 Vdc) at 30°C     Continuous current   120 A for 10 ms     Leakage current with signal 0   5 mA     Connection type   5     SENERAL TECHNICAL DATA   20+80°C (derating -0.05 A/°C over 30°C)     Dyperating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     nput / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Divervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   4000000000000000000000000000000000000  | OUTPUT TECHNICAL DATA                   |  |
| Showinal current   3 A (24 Vdc) at 30°C     Continuous current   120 A for 10 ms     Leakage current with signal 0   5 mA     Connection type   5     GENERAL TECHNICAL DATA   -20+80°C (derating -0.05 A/°C over 30°C)     Dyperating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     Input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Contact type                            | zero crossing triac                      |
| Continuous current   120 A for 10 ms     Leakage current with signal 0   5 mA     Connection type   5     GENERAL TECHNICAL DATA   -20+80°C (derating -0.05 A/°C over 30°C)     Dyperating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     Input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Output voltage                          | 48280 Vac                                |
| Leakage current with signal 0   5 mA     Connection type   5 mA     GENERAL TECHNICAL DATA   -20+80°C (derating -0.05 A/°C over 30°C)     Deperating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     Input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Wounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Nominal current                         | 3 A (24 Vdc) at 30°C                     |
| Connection type     GENERAL TECHNICAL DATA     Operating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     Input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Continuous current                      | 120 A for 10 ms                          |
| SERERAL TECHNICAL DATA     Operating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Marking tag     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Leakage current with signal 0           | 5 mA                                     |
| Operating temperature range   -20+80°C (derating -0.05 A/°C over 30°C)     Input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Divervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Wounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Connection type                         |  |
| input / output isolation   2.5 kVac / 60 s     Protection degree   IP 20     Divervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)  | GENERAL TECHNICAL DATA                  |  |
| Protection degree   IP 20     Dvervoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Operating temperature range             | -20+80°C (derating -0.05 A/°C over 30°C) |
| Overvoltage category / pollution degree   II / 2     Status indication   LED "Input"     Housing material   UL94V-0 plastic material     Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Input / output isolation                | 2.5 kVac / 60 s                          |
| Status indication LED "Input"   Housing material UL94V-0 plastic material   Dimensions (LxHxD) 16x75x68 mm   Approximate weight 54 g   Mounting information on a rail, side by side   ACCESSORIES Mounting rail (IEC60715/TH35-7.5)   Marking tag already mounted   Spare part relay 8904405   Plugin jumper CMB16B (8 poles)   | Protection degree                       | IP 20                                    |
| Housing material UL94V-0 plastic material   Dimensions (LxHxD) 16x75x68 mm   Approximate weight 54 g   Mounting information on a rail, side by side   ACCESSORIES Mounting rail (IEC60715/TH35-7.5)   Marking tag already mounted   Spare part relay 8904405   Plugin jumper CMB16B (8 poles)   | Overvoltage category / pollution degree | II / 2                                   |
| Dimensions (LxHxD)   16x75x68 mm     Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)   | Status indication                       | LED "Input"                              |
| Approximate weight   54 g     Mounting information   on a rail, side by side     ACCESSORIES   Mounting rail (IEC60715/TH35-7.5)     Marking tag   already mounted     Spare part relay   8904405     Plugin jumper   CMB16B (8 poles)  | Housing material                        | UL94V-0 plastic material                 |
| Mounting information on a rail, side by side   ACCESSORIES   Mounting rail (IEC60715/TH35-7.5) PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB   Marking tag already mounted   Spare part relay 8904405   Plugin jumper CMB16B (8 poles)   | Dimensions (LxHxD)                      | 16x75x68 mm                              |
| ACCESSORIES<br>Mounting rail (IEC60715/TH35-7.5) PR/3/AC, PR/3/AC, PR/3/AS, PR/3/AS/ZB<br>Marking tag already mounted<br>Spare part relay 8904405<br>Plugin jumper CMB16B (8 poles)   | Approximate weight                      | 54 g                                     |
| Mounting rail (IEC60715/TH35-7.5) PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB   Marking tag already mounted   Spare part relay 8904405   Plugin jumper CMB16B (8 poles)  | Mounting information                    | on a rail, side by side                  |
| Marking tag already mounted   Spare part relay 8904405   Plugin jumper CMB16B (8 poles)   | ACCESSORIES                             |  |
| Spare part relay 8904405   Plugin jumper CMB16B (8 poles)   | Mounting rail (IEC60715/TH35-7.5)       | PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB |
| Plugin jumper CMB16B (8 poles)  | Marking tag                             | already mounted                          |
|   | Spare part relay                        | 8904405                                  |
| APPROVALS AND MARKINGS  | Plugin jumper                           | CMB16B (8 poles)                         |
|   | APPROVALS AND MARKINGS                  | ٢¢                                       |



\* Pluggable relay\* DC input voltage\* Compact dimensions\* Available plug-in jumper for potential distribution 1 Manufacturer and model of the relay is not binding, technical data are to be considered typical

## DESCRIZIONE DEL PRODOTTO

Solid state relay modules single channel, input rated: 24 Vdc (range 19.5...28.5 Vdc), input chanals: 1 pluggable, contact type: zero crossing triac