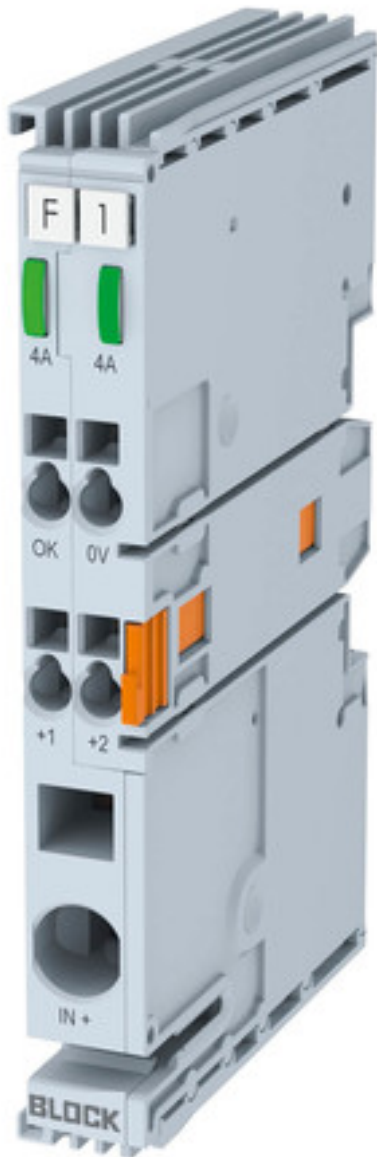


2-Channel circuit breaker thermomagnetic **EB-2724-2080-0**



Picture shows EB-2724-2040-0

Advantages

- Compact design - 2 independent channels in 12 mm width
- Automatic channel assignment
- Additional load outputs through output expanders mountable sidewise
- 3 years warranty

Applications

Electronic circuit breaker with thermomagnetic characteristic with alarm signal forwarded for tripped and switched off channels to the connected channels. Starter version with fuse for 24 V loads.

Standards

Safety:
EN 60950-1, EN 50178, EN/IEC 60204-1
EMC:
EN 61000-6-2 (interference immunity), EN 61000-6-3 (emitted interference)
CE:
Acc. to 2014/30/EU

Approvals



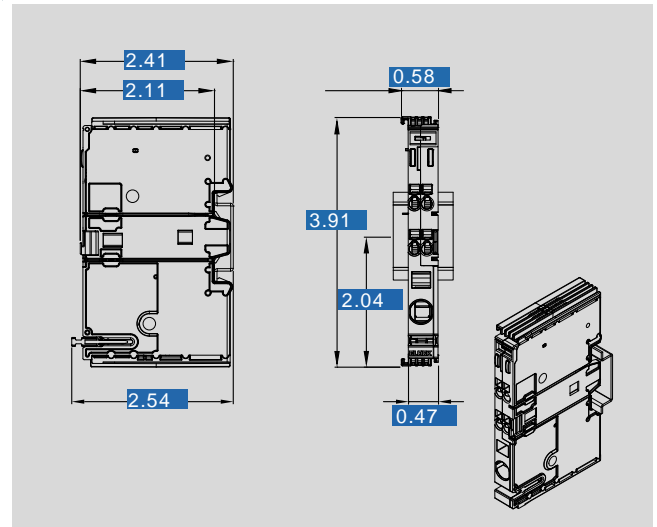
UL 508, UL 2367, DNV GL,
VW eClass No.27-37-18-02 (prepared)



2-Channel circuit breaker thermomagnetic EB-2724-2080-0

| Type | EB-2724-2080-0 |
|---|---|
| Electrical data | |
| Input | |
| Input rated voltage | 24 Vdc |
| Input voltage range | 18 - 30 Vdc |
| Maximal residual ripple of supplied input voltage | 3 % |
| Max. total input current | 8 A |
| Max. input current for each pole of terminal | 10 A (-), 40 A (+) |
| Required input voltage for turning-on of outputs | 17.5 V (Turn-off Threshold 16.7 V), ± 0.7 V |
| Max. power losses | 0.4 W |
| Over voltage protection | Suppressor diode 33 V |
| Stand-by current | 12 mA @ 24 V |
| Power losses in stand-by mode | 0.3 W @ 24 V |
| Turn on capacity | 80 mF @ 24 Vdc / 2.5 mm ² / 2.5 m |
| Output | |
| Output rated voltage | 24 Vdc |
| Output rated current | 2 x 4 A |
| Maximum voltage drop between input and output | 34 mV |
| Initialization time of module | 27 ms |
| Turn-on delay of outputs | 0 ms |
| Waiting periode after switch-off of an output | 500 ms (Short circuit) .. 5 s (Overload) |
| Parallel use of outputs | Not allowed |
| Serial use of outputs | not allowed |
| Resistance to reverse feed max. | 35 Vdc |
| Efficiency | 99 % |
| Output limited current | - |
| Signaling | |
| Bus communication | Collective notification signal |
| Status indicator | LED (red, green, orange) |
| Signal output | Output status, short circuit proof high = Channel on, low = Channel off, fault |
| Signal output (ON/OFF/Reset) | - |
| Environment | |
| Type of cooling | Natural convection |
| Ambient temperature | -13 °F .. 158 °F |
| Storage temperature | -13 °F .. +185 °F |
| Derating | - |
| Relative humidity | 5 .. 96 %, without condensation |
| Required minimum spacing (left/right) | 0.00 inch |
| Required minimum spacing (over/under) | 1.18 inch |
| Safety and protection | |
| Protection index | IP 20 |
| Safety class | III, without PE connection |
| Degree of pollution | 2 |
| Order numbers | |
| Order Number | EB-2724-2080-0 |

| Type | EB-2724-2080-0 |
|---|--|
| Mechanical data | |
| Terminal and mounting | |
| Terminals input, (spring clamp terminal) | max. 16 mm ² |
| Terminals output, (spring clamp terminal) | max 2,5 mm ² (2 x "+") |
| Terminals signalling, (spring clamp terminal) | max. 2,5 mm ² |
| Mounting position | horizontal for standard rail DIN TS35 |
| Measures and weights | |
| Weight | 0.09 lbs |
| Dimensions in inch | |



Subject to change.