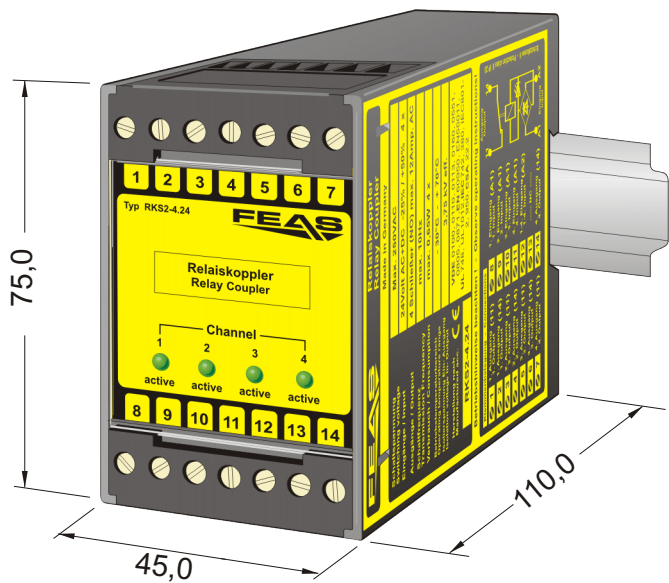


4-channel relay coupler normally open contacts Type RKS2-4.24



CE - conform

- ☐ Output separated
- ☐ Input suitable for AC and DC voltage with a combined ground connection
- ☐ Operating status shown by LED
- ☐ For high switching power contacts made of precious metal
- ☐ Easy installation on DIN-rails
- ☐ Conform with EMC and guidelines for low voltage
- ☐ Safety acc. to VDE, EN, UL, CSA

Type	RKS2-4.24
Number of channels	4
Nominal input voltage	24VAC(VDC)
Switching frequency	max. 10Hz
Switching voltage output	max. 250VAC max. 48VDC
Switching current output	max. 12A AC max. 2,4A DC
Dimensions (W x H x D)	45x75x110
Wheight	approx. 0,28kg
Order-No.	59138

Technical Data

Input data

Nominal input voltage	see table below
Range of input voltage	-25% to 50% U_{Nominal}
Switching barrier	> 18V
Impuls width	min. 20ms
Input current each channel	approx. 27mA
Consumption each channel	< 0,65W
Relapsecurent of the relay at 20°C	approx. 7mA
Switching time at nominal voltage	operate time 7ms typ. release time 3ms typ.

Output data

Switching voltage	see table below
Switching current	see table below
Switching power	max. 3000VA, max. 120W
Minimum switching power	10W
Life expectancy (operations)	electrical - 7×10^4 mechanical - 3×10^7

Operating data

Duty circle	100%
Operating temperature range	-30°C to +70°C
Derating	see drawing below
Storage temperature range	-40°C...+105°C
Cooling	self cooling recommended respective distance 10mm each

Safety devices

Fuse for input	-
Fuse for output	-
Overload protection	-
MTBF	>380.000 h

Safety data

High voltage resistance	Input / Output 3,75 kVAC acc. to VDE 0806
Protection class	Class 2 (EN 60950)
Extra low safety potential	-
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP 65
Protective class terminals	IP 20 (VGB4)
Vibration proof	>30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27

Applied construction regulations

according to VDE	VDE 0100, 0110, 0113, 0551, 0160/W2, 0806
IEC	IEC 60939-1, IEC60939-2, IEC60068-2-3 IEC 60068-2-11-52, IEC 60529, IEC 380
EN	EN45501, EN50021, EN61000-6-1-2-3-4 EN55011, EN50204, EN61558-2-17, EN50178 EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11 EN60068-2-1-2-3-6-27-30
CSA / UL	CSA-C 22.2 / UL1283, UL94V1

Mechanics

Mounting	On rails acc. to DIN 46277
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