Multi-function relay

Technical data

Multi-function relay		
Marking accd. to 94/9/EC		Ex II 2 G Ex de IIC/IIB Gb / Ex I M2 Ex de I
EC-Type Examination Certificate		PTB 98 ATEX 1087 U
IECEx Certificate of Conformity		IECEx BKI 07.0038 U
Marking accd. to IECEx		Ex de IIC
Operating temperature range		–20 °C up to +110 °C (IIC) –55 °C up to +110 °C (IIB)
Application temperature[1]		–20 °C up to +60 °C (IIC) –55 °C up to +60 °C (IIB)
Rated voltage		max. 440 V AC
Control voltage		24 V AC up to 440 V AC or 24 V DC up to 240 V DC
Rated current		6 A
Power dissipation per pole		2 W
Rated switching capacity AC-11		440 V/3 A
Rated switching capacity DC-22		24 V / 1 A; 60 V / 0.35 A; 220 V / 0.20 A
Connecting terminals	main contact	2 x 10 mm²
	aux. contact/ control A1-A2	2 x 2.5 mm²
Dimensions (L x W x H)		Mounting width 70 mm
Weight		1.26 kg, size 3
Enclosure material		glass-fibre reinforced polyester
Enclosure colour		black
Options		Control

[1] The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.6.31.

Ex-Built-in components

Multi-function relay

GHG 618 2910 RXXYY

1. Control function | 2. Response time/time range

1. Control function

Control function	XX
delayed response	**11**
delayed OFF response	**12**
delayed ON and OFF response	**16**
impulse ON	**21**
impulse OFF	**22**
flashing	**42**
pulsing	**81**
pulse shaper	**82**

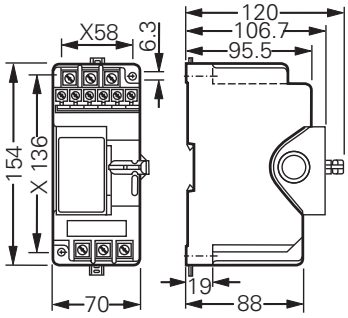
2. Response time/time range

Response time/time range	YY
0.15 min - 3 min	**01**
3 s - 60 s	**02**
0.5 s - 10 s	**03**
0.15 s - 3 s	**04**
0.05 s - 1 s	**05**
0.5 min - 10 min	**06**
3 min - 60 min	**07**
0.15 h - 3 h	**08**
0.5 h - 10 h	**09**
3 h - 60 h	**10**

Note: The time setting within the time ranges is performed via potentiometer 10 kΩ (GHG 410 1901 R 0194) to be connected externally.

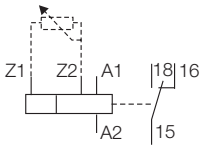
Multi-function relay

Dimension drawing | Termination diagram | Function diagram

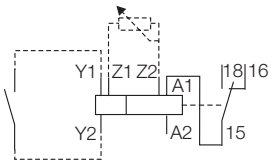


Module size 2 **X = fixing dimension**

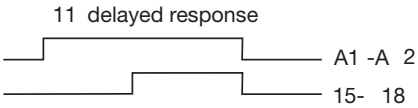
Termination diagram Multi-function relay

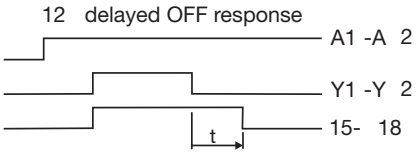


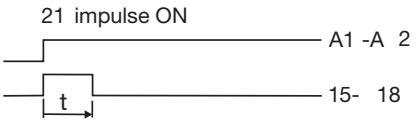
Contacts for function 11, 21, 42 and 81

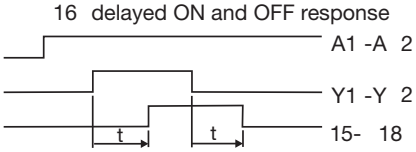


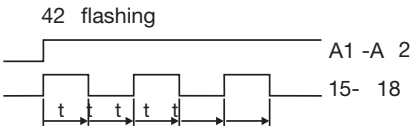
Contacts for function 12, 16, 22 and 82

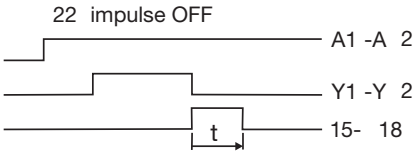


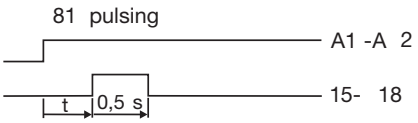


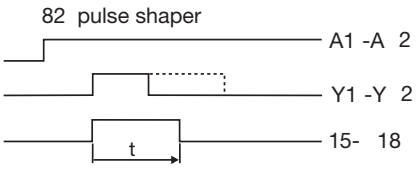












Dimensions in mm