



Safety Relay H-480



Compact. High Performance. Economical.
For highest requirements on a small footprint.

- > 6 contacts
- > Max. switching current 8 A
- > Forcibly guided contact set
- > Reinforced insulation between all contacts
- > Low coil power consumption
- > Low height

A new generation of safety relays.

The development of this safety relay product family was consequently linked to the demands of our customers and the market. The outcome is the worldwide smallest 6-contact force guided relay with a reinforced insulation between all contacts. Additional focus was put on low coil power consumption to reduce the heat, emitted by the relay, to a minimum.

Due to the constant high number of electrical switching cycles, the new H-480 can be used for a broad range of safety applications.

The variety of pin arrangements enables the customer a variable used of the relay, also in existing applications.

The start of a new safety relay generation!

Please don't hesitate to come back to us for questions regarding our new safety relay H-480.

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Technical data

MECHANICAL

Dimensions L x W x H (in mm)	55 x 16,5 x 15,7
Schock resistance NO-contact	10 g, 11 ms
Vibration resistance NO-contact	10 g, 10 – 200 Hz
Operating time NC-contact	typical 8 ms
Operating time NO-contact	typical 15 ms
Releasing time NO-contact	typical 5 ms
Releasing time NC-contact	typical 10 ms
Mechanical service life	> 10 Mio. switching cycles
Weight	30 g

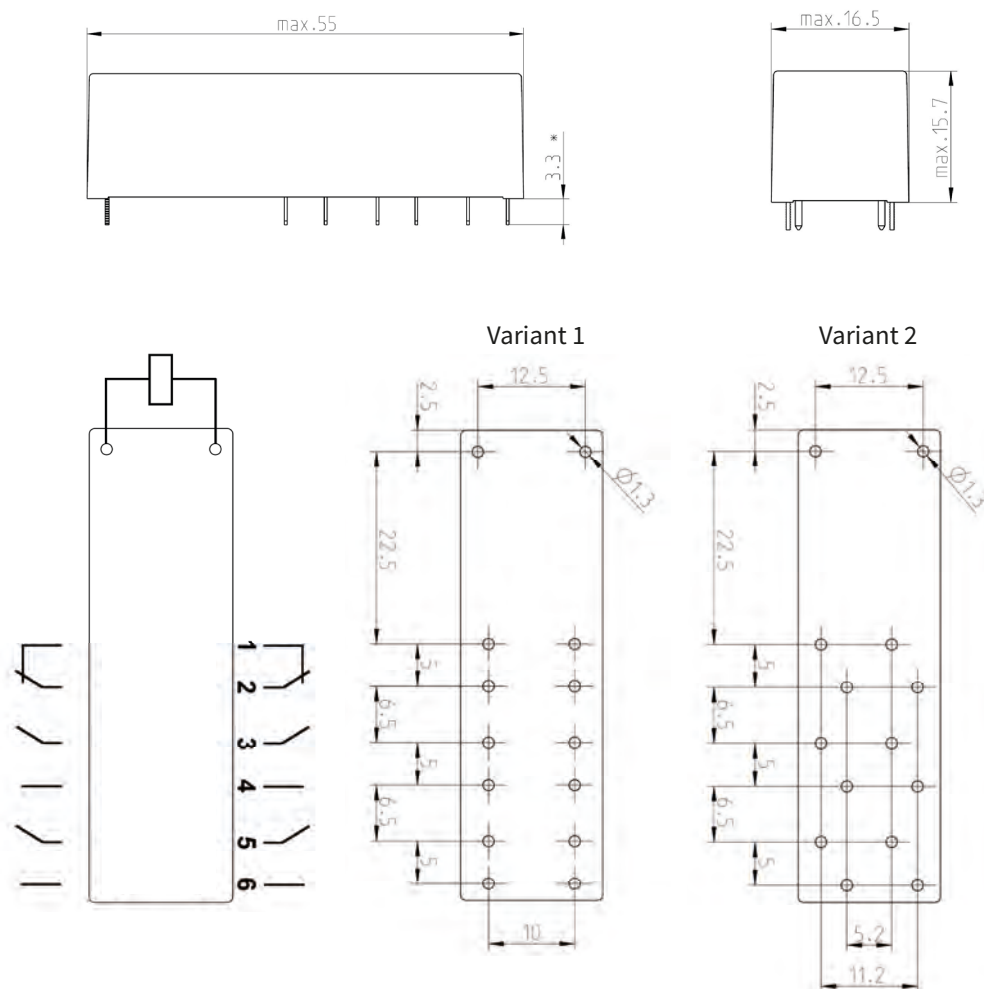
ELECTRICAL

Max. switching capacity	AC 2.000 VA
Max. switching voltage	AC 230/240 V
Max. switching current	8 A
Switching capacity AC-15	5 A
Switching capacity DC-13	6 A (6 switching cycles / min)
Electrical service life AC-1	80.000 switching cycles (230 V / 8 A)
Electrical service life DC-1	100.000 switching cycles (24 V / 8 A)
Ambient temperature	-25 ... +75°C

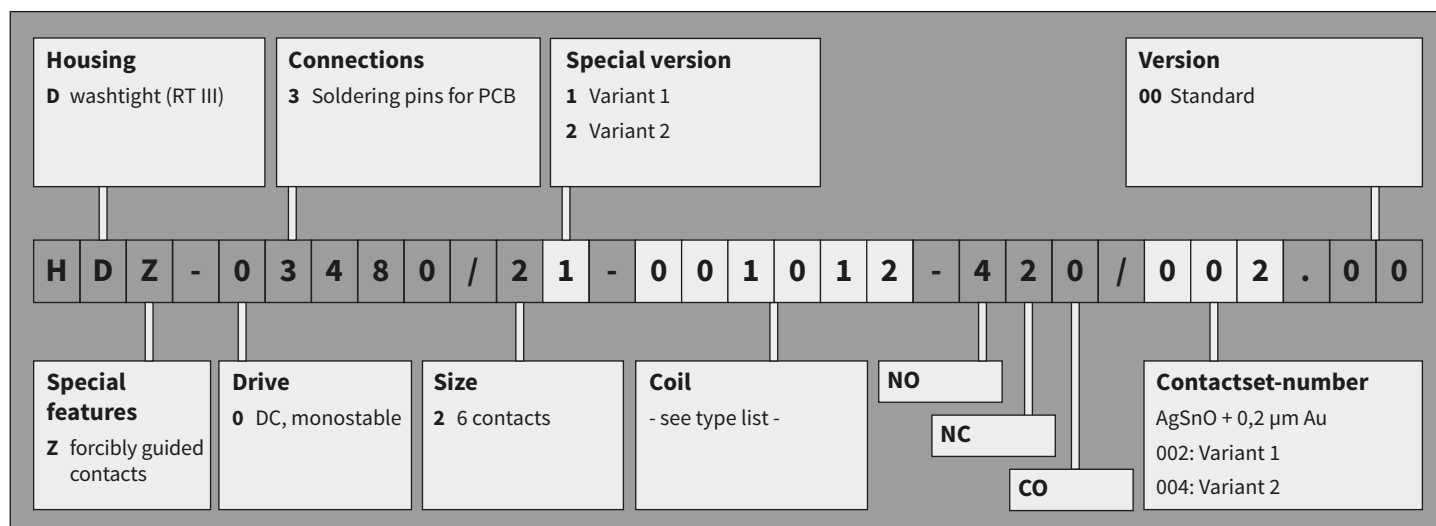
APPROVALS

TÜV
cULus
RoHS

DIMENSIONS / CONNECTION RASTER



Type code



Type list (extract)

Nominal voltage	Part No.	Type code	Coil-No.	Resistance [Ω]	U _{min}	U _{max}	U _{rel}
					[V] + 20 °C	[V] + 75 °C	[V] + 20 °C
5,5	480-1010	HDZ-03480/21-001023-420/002.00	001023	41	3,9	6,4	0,6
6	480-1002	HDZ-03480/21-001022-420/002.00	001022	53	4,4	7,3	0,6
12	480-1003	HDZ-03480/21-001016-420/002.00	001016	214	9,0	14,5	1,3
12	480-1009	HDZ-03480/22-001016-420/004.00	001016	214	9,0	14,5	1,3
18	480-1008	HDZ-03480/21-001080-420/002.00	001080	410	12,7	20,1	1,8
24	480-1001	HDZ-03480/21-001012-420/002.00	001012	810	17,9	28,4	2,6
36	480-1004	HDZ-03480/21-001082-420/002.00	001082	1640	25,2	40,3	3,6
48	480-1005	HDZ-03480/21-001078-420/002.00	001078	2975	35,0	53,8	4,9
50	480-1011	HDZ-03480/21-001007-420/002.00	001007	3360	36,9	57,5	5,3
58	480-1006	HDZ-03480/21-001079-420/002.00	001079	4465	43,5	66,0	6,1
110	480-1007	HDZ-03480/21-001090-420/002.00	001090	16010	82,6	124	11,2
110	480-1012	HDZ-03480/22-001090-420/004.00	001090	16010	82,6	124	11,2

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