

66 SERIES ATEX and HazLoc Power relays

ATEX (EX ec nC) EN IEC 60079-15: 2019 compliant



ATEX and HazLoc Power relays

Type 66.82 - 35 mm rail (EN 60715) mounting, Faston 250 connections, 30 A - 70°C
Type 66.22-S - PCB mount with bifurcated terminals, 25 A - 70°C

The world's first relay for ATEX applications with 2 contacts rated at 30 A without incurring any derating from the maximum ambient temperature of 70°C.

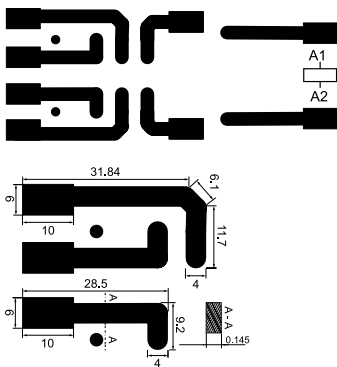
- Certification by ATEX accredited body to (EX ec nC) EN IEC 60079-15: 2019
- Complies with HazLoc Class I Div. 2, Groups A, B, C, D - T4 - T5 - T6
- 2 CO or 2 NO contacts
- Reinforced insulation between coil and contacts according to EN 60335-1; 8 mm creepage and clearance distances
- AC coils & DC coils
- Cadmium Free option available

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ATEX - Electrical characteristics

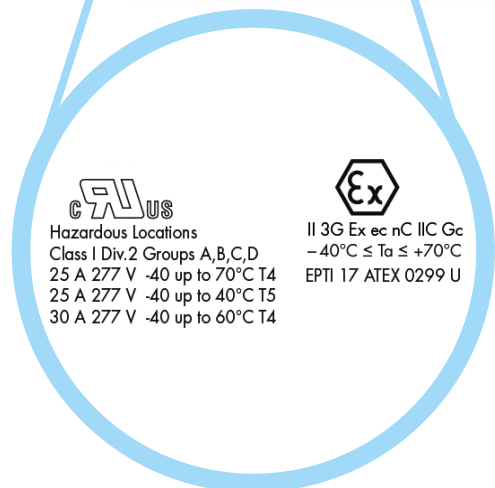
Contact specification ATEX		66.82	66.22...S
Rated current/Maximum peak current	A	30/50 (NO) - 10/20 (NC)	25/50 (NO) - 10/20 (NC)
Rated voltage/Maximum switching voltage	V AC	250/440	
Rated load AC1	VA	7500 (NO) - 2500 (NC)	6250 (NO) - 2500 (NC)
Rated load AC15	VA	1200 (NO)	
Capacity for single phase motor (230 V AC)	kW	1.5 (NO)	
Breaking capacity DC1: 30/110/220 V	A	25/0.7/0.3 (NO)	
Coil characteristics			
Rated voltage (U_N)	V AC (50/60 Hz)	6 - 12 - 24 - 110/115 - 120/125 - 230 - 240	
	V DC	6 - 12 - 24 - 110 - 125	
Rated Power AC/DC	VA (50 Hz)/W	3.6/1.7	
Operating range	AC/DC	(0.8...1.1) U_N	
General characteristics			
Ambient temperature	°C	-40...+70	

PCB Layout



Markings - ATEX versions - ATEX, II 3G Ex ec nC IIC Gc

MARKING	
	Specific marking of explosion protection
II	Component for surface plant (different from mines)
3	Category 3: normal level of protection
GAS	G Explosive atmosphere due to presence of combustible gas vapour or mist
	Ex ec Increased safety (type of protection for category 3G)
	Ex nC Sealed device (type of protection for category 3G)
	IIC Gas group
	Gc Equipment Protection Level
-40 °C ≤ Ta ≤ +70 °C Ambient temperature	
EPTI 17 ATEX 0299 U EPTI: laboratory which issues the voluntary type certificate 17: year of issue of certificate 0299: number of CE type certificate	
U: Ex component	
Xyy: production batch identification (X year, yy week)	



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