



EG000020

EC003507

A medium voltage fuse is a component used in electrical circuits to protect medium voltage switchgear against the dynamic and thermal effects of short circuits. CRADY brand medium voltage fuses are backup fuses, capable of interrupting all current values from their minimum breaking current (I_3) up to their rated breaking capacity (I_1). Backup fuses are manufactured for **rated voltages of 12kV, 24 kV and 36 kV**, with rated currents of 2 to 100 A, **with a breaking capacity of 63 kA, 31.5 kA and 40 kA respectively**. They can be used for multiple applications such as the protection of distribution transformers, medium voltage motors and capacitors, power transformers, feeder cables, among others.



CARACTERÍSTICAS ELÉCTRICAS

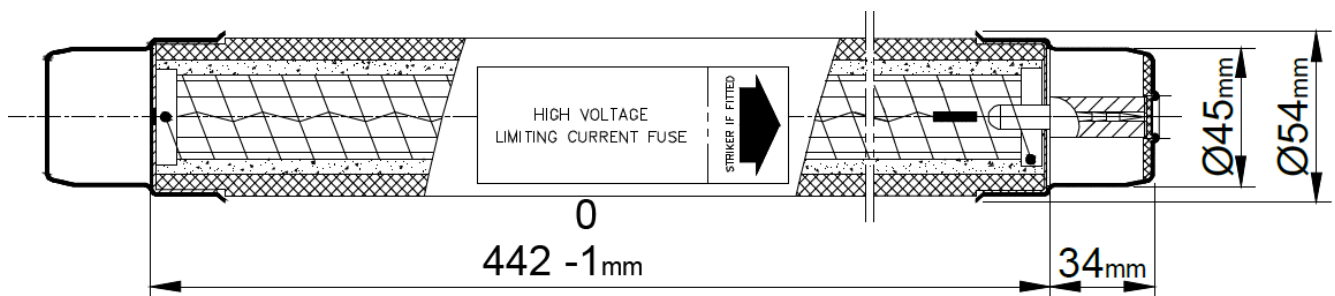
- ✓ Voltage: **12 kV/ 24 kV/ 36 kV**
- ✓ Frequency: **50/60 Hz**
- ✓ Current range: **2–100 A**
- ✓ Breaking capacity (I_1): **63 kA/ 31.5 kA/ 40 kA**
- ✓ Fuse element: silver
- ✓ Upper cover: copper with silver coating
- ✓ Ceramic tube
- ✓ Striker: spring-operated with an extension length of 26 mm



IEC60282-1

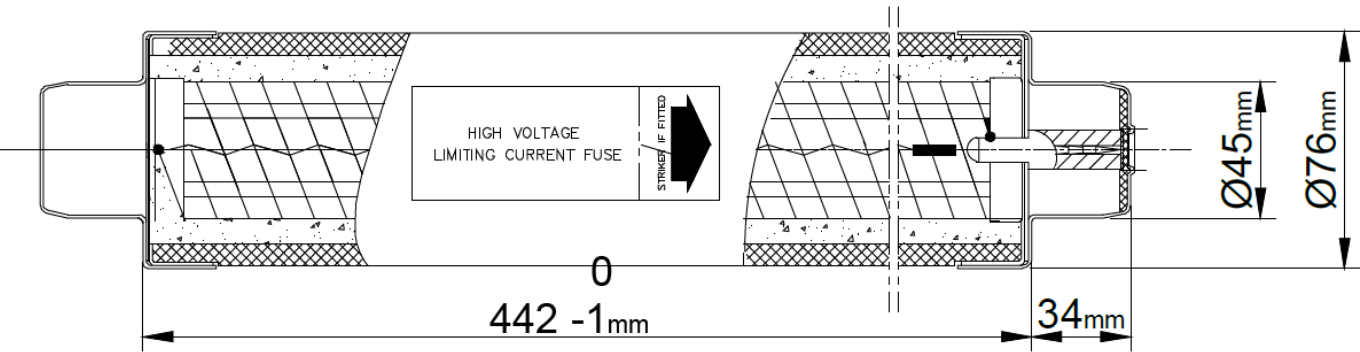
DIMENSION DRAWING (mm)

MV FUSES 24 KV (Current range from 2A - 40A)



DIMENSION DRAWING (mm)

MV FUSES 24 KV (Current range from 50A - 100A)



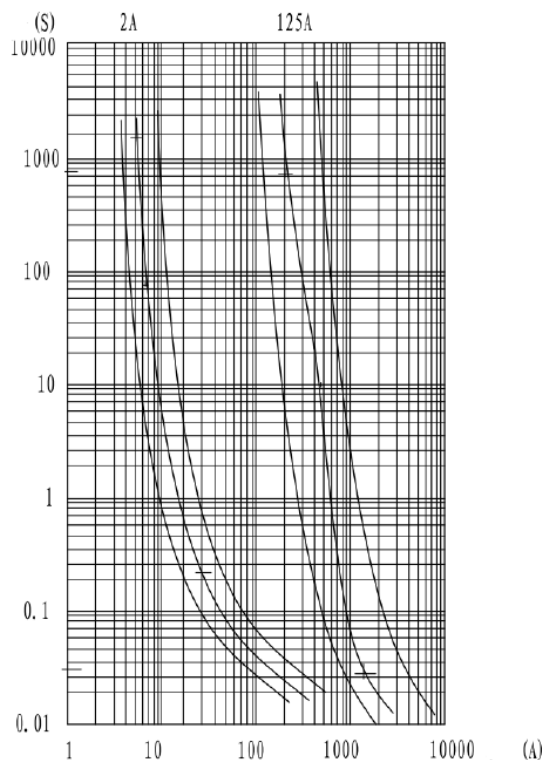
GENERAL SPECIFICATIONS

Model	Code	Voltage (kV)	Current (A)	Breaking capacity, I ₁ (kA)	Minimum melting current, I ₂ (A)	Losses (W)	Cold resistance(mΩ)
MV-FUSE DYFUS MT-24-2A	0175021	24	2	31,5	8	6	1094
MV-FUSE DYFUS MT-24-4A	0175022	24	4	31,5	16	25	467
MV-FUSE DYFUS MT-24-5A	0175023	24	5	31,5	20	28	415
MV-FUSE DYFUS MT-24-6,3A	0175024	24	6,3	31,5	24	31	409
MV-FUSE DYFUS MT-24-10A	0175025	24	10	31,5	40	48	189
MV-FUSE DYFUS MT-24-16A	0175026	24	16	31,5	64	47	92
MV-FUSE DYFUS MT-24-20A	0175027	24	20	31,5	80	57	83
MV-FUSE DYFUS MT-24-25A	0175028	24	25	31,5	100	68	43
MV-FUSE DYFUS MT-24-31,5A	0175029	24	31,5	31,5	126	84	38
MV-FUSE DYFUS MT-24-40A	0175030	24	40	31,5	160	114	34
MV-FUSE DYFUS MT-24-50A	0175020	24	50	31,5	200	116	22
MV-FUSE DYFUS MT-24-63A	0175031	24	63	31,5	252	163	18
MV-FUSE DYFUS MT-24-80A	0175032	24	80	31,5	320	196	14
MV-FUSE DYFUS MT-24-100A	0175033	24	100	31,5	400	279	10
MV-FUSE DYFUS MT-36-2A	0175034	36	2	40	8	7,15	1495

GENERAL SPECIFICATIONS

Model	Code	Voltage (kV)	Current (A)	Breaking capacity, I ₁ (kA)	Minimum melting current , I ₃ (A)	Losses (W)	Cold resistance(mΩ)
MV-FUSE DYFUS MT-36-4A	0175035	36	4	40	16	24	1142
MV-FUSE DYFUS MT-36-5A	0175036	36	5	40	20	31	910
MV-FUSE DYFUS MT-36-6,3A	0175037	36	6,3	40	25,2	44	805
MV-FUSE DYFUS MT-36-10A	0175038	36	10	40	40	46	318
MV-FUSE DYFUS MT-36-16A	0175039	36	16	40	64	77	205
MV-FUSE DYFUS MT-36-20A	0175040	36	20	40	80	79	133
MV-FUSE DYFUS MT-36-25A	0175041	36	25	40	100	106	111
MV-FUSE DYFUS MT-36-31,5A	0175042	36	31,5	40	126	137	89
MV-FUSE DYFUS MT-36-40A	0175043	36	40	40	160	161	64
MV-FUSE DYFUS MT-36-50A	0175080	36	50	40	200	199	49
MV-FUSE DYFUS MT-36-63A	0175081	36	63	40	252	261	39
MV-FUSE DYFUS MT-36-80A	0175082	36	80	40	320	421	34
MV-FUSE DYFUS MT-36-100A	0175083	36	100	40	400	524	24
MV-FUSE DYFUS MT-36-125A	0175084	36	125	40	500	657	18
MV-FUSE DYFUS MT-12-31,5A	0175075	12	31,5	63	126	47	31
MV-FUSE DYFUS MT-12-40A	0175076	12	40	63	160	53	23
MV-FUSE DYFUS MT-12-63A	0175077	12	63	63	252	99	14
MV-FUSE DYFUS MT-12-80A	0175078	12	80	63	320	137	12
MV-FUSE DYFUS MT-12-100A	0175079	12	100	63	400	153	8

TIME-CURRENT CURVE



CURRENT LIMITING CURVE

