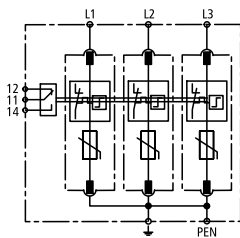


Three-phase combined arrester, type 2

For protection of sub-distributions or the control cabinet main supply

wietap G M TNC 275 (FM)

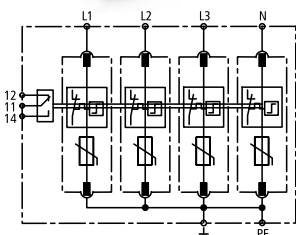
- Surge arrester, type 2
- For TN-C-systems
- With pluggable protection modules
- Function/failure indication according to VDE 0100-534
- Optional with remote signaling contact (FM)
- Vibration and shock tested acc. to EN 60068-2



Type	Part No.
wietap G M TNC 275	84.995.2300.0
wietap G M TNC 275 FM	84.995.2305.0
Replacement module L1, L2, L3 against \pm	84.995.2010.0
Power network	TN-C
SPD accord. to EN 61643-11	Type 2
SPD accord. to IEC 61643-1	Class II
Nominal voltage AC [U _N]	230/400 V
Nominal frequency [f _N]	50 / 60 Hz
Maximum continuous voltage AC [U _c]	275 V
Nominal discharge current (8/20) [I _n]	20 kA
Max. discharge current (8/20) [I _{max}]	40 kA
Protection level [U _p]	≤ 1.25 kV
Protection level at 5 kA [U _p]	≤ 1 kV
Operating time [t _a]	≤ 25 ns
Maximum network overcurrent protection	125 A gL/gG
Short-circuit proof with max. network overcurrent protection	50 kA _{eff}
TOV-voltage [U _t]	335 V / 5 sec.
Temperature range [T _U]	-40 ... +80 °C
Function/failure indication	green / red
Wire range (min.)	1.5 mm ² (AWG 14) solid/fine-stranded
Wire range (max.)	35 mm ² (AWG 2) stranded / 25 mm ² (AWG 4) fine-stranded
Mounted on DIN rail acc. to EN 60715	35 mm
Housing material	Thermoplast, UL 94 V-0
Degree of protection	IP 20
Dimensions	3 TE, DIN 43880 (54 mm)
Remote signaling contacts = Contact Type	Change-over contact
Switching capacity AC (FM)	250 V/0.5 A
Switching capacity DC (FM)	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
Wire range for remote signaling terminals	max. 1.5 mm ² (AWG 14) solid/fine-stranded
Approvals	CE

wietap G M TNS 275 (FM)

- Surge arrester, type 2
- For TN-S-systems
- With pluggable protection modules
- Function/failure indication according to VDE 0100-534
- Optional with remote signaling contact (FM)
- Vibration and shock tested acc. to EN 60068-2



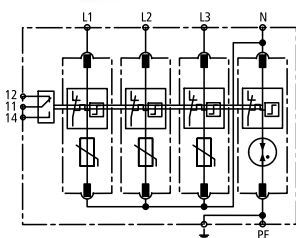
Type	Part No.
wietap G M TNS 275	84.995.2400.0
wietap G M TNS 275 FM	84.995.2405.0
Replacement module L1, L2, L3, N against \pm	84.995.2010.0
Power network	TN-S
SPD accord. to EN 61643-11	Type 2
SPD accord. to IEC 61643-1	Class II
Nominal voltage AC [U _N]	230/400 V
Nominal frequency [f _N]	50 / 60 Hz
Maximum continuous voltage AC [U _c]	275 V
Nominal discharge current (8/20) [I _n]	20 kA
Max. discharge current (8/20) [I _{max}]	40 kA
Protection level [U _p]	≤ 1.25 kV
Protection level at 5 kA [U _p]	≤ 1 kV
Operating time [t _a]	≤ 25 ns
Maximum network overcurrent protection	125 A gL/gG
Short-circuit proof with max. network overcurrent protection	50 kA _{eff}
TOV-voltage [U _t]	335 V / 5 sec.
Temperature range [T _U]	-40 ... +80 °C
Function/failure indication	green / red
Wire range (min.)	1.5 mm ² (AWG 14) solid/fine-stranded
Wire range (max.)	35 mm ² (AWG 2) stranded / 25 mm ² (AWG 4) fine-stranded
Mounted on DIN rail acc. to EN 60715	35 mm
Housing material	Thermoplast, UL 94 V-0
Degree of protection	IP 20
Dimensions	4 TE, DIN 43880 (72 mm)
Remote signaling contacts = Contact Type	Change-over contact
Switching capacity AC (FM)	250 V/0.5 A
Switching capacity DC (FM)	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
Wire range for remote signaling terminals	max. 1.5 mm ² (AWG 14) solid/fine-stranded
Approvals	CE

Three-phase combined arrester, type 2

For protection of sub-distributions or the control cabinet main supply

wietap G M TT 275 (FM)

- Surge arrester, type 2
- For TT- and TN-S-systems ("3+1" circuits)
- With pluggable protection modules
- Function/failure indication according to VDE 0100-534
- Optional with remote signaling contact (FM)
- Vibration and shock tested acc. to EN 60068-2



Type	Part No.
wietap G M TT 275	84.995.2310.0
wietap G M TT 275 FM	84.995.2315.0
Replacement module L1, L2, L3 against N	84.995.2010.0
Replacement module N against \varnothing	84.995.2050.0
Power network	TT and TN-S (Variante „3+1“)
SPD accord. to EN 61643-11	Type 2
SPD accord. to IEC 61643-1	Class II
Nominal voltage AC [U _N]	230/400 V
Nominal frequency [f _N]	50 / 60 Hz
Maximum continuous voltage AC [L-N] [U _c]	275 V
Maximum continuous voltage AC [N-PE] [U _c]	255 V
Nominal discharge current (8/20) [I _n]	20 kA
Max. discharge current (8/20) [I _{max}]	40 kA
Lightn. impulse current (10/350) [N-PE] [I _{imp}]	12 kA
Protection level [L-N] [U _p]	≤ 1.25 kV
Protection level [L-N] at 5 kA [U _p]	≤ 1 kV
Protection level [N-PE] [U _p]	≤ 1.5 kV
Follow current extinguishing capability [N-PE] [I _{eff}]	100 A _{eff}
Operating time [L-N] [t _a]	≤ 25 ns
Operating time [N-PE] [t _a]	≤ 100 ns
Maximum network overcurrent protection	125 A gL/gG
Short-circuit proof with network overcurrent protection with 25 A gL/gG	50 kA _{eff}
TOV-voltage [L-N] [U _T]	335 V / 5 sec.
TOV-voltage [N-PE] [U _T]	1200 V / 200 ms
Temperature range [T _U]	-40 ... +80 °C
Function/failure indication	green / red
Wire range (min.)	1.5 mm ² (AWG 14) solid/fine-stranded
Wire range (max.)	35 mm ² (AWG 2) stranded / 25 mm ² (AWG 4) fine-stranded
Mounted on DIN rail acc. to EN 60715	35 mm
Housing material	Thermoplast, UL 94 V-0
Degree of protection	IP 20
Dimensions	4 TE, DIN 43880 (72 mm)
Remote signaling contacts = Contact Type	Change-over contact
Switching capacity AC (FM)	250 V/0.5 A
Switching capacity DC (FM)	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
Wire range for remote signaling terminals	max. 1.5 mm ² (AWG 14) solid/fine-stranded
Approvals	CE

Replacement module for wietap G M devices

wietap G MOD 275

Varistor protection module for all L – \varnothing ; L – N and for wietap G M TNS 275 (FM) N – \varnothing



wietap G MOD NPE

Spark gap protection module for N – \varnothing and for wietap G M TT 275 (FM) N – \varnothing



Type	Part No.
wietap G MOD 275	84.995.2010.0
wietap G MOD NPE	84.995.2050.0