

ACTIVE DYNAMIC FILTER

ADF P25

480 V CE: 30 A



HARMONIC ELIMINATION



LOAD BALANCING



DYNAMIC VAR COMPENSATION



COMPACT & COST-EFFECTIVE



SENSORLESS CONTROL



EASY INSTALLATION

— COMSYS —
comsys.se/adf



TECHNICAL SPECIFICATION ADF P25

MODEL	ADF P25-30/480
COMPENSATION CURRENT CAPACITY AT 50/60 HZ	30 A _{RMS}
SYSTEM VOLTAGE	208 – 480 V
NOMINAL FREQUENCY	45/65 Hz (Including floating frequency)
NUMBER OF PHASES	3 phase 3 wire
CONNECTION TYPE	3 phase without neutral (TN, TT, IT)
HARMONIC CURRENT COMPENSATED	Individual compensation up to 49th order
RATE OF HARMONIC REDUCTION	Better than 98%
CURRENT COMPENSATION OF COS φ	Up to 1.0
EXPANDABILITY	up to 15 ADF P25 units can be used in parallel
RESPONSE TIME	< 1 ms
HEAT DISSIPATION	< 700 W
MAXIMUM AIR FLOW	< 400 m ³ /h
NOISE LEVEL	< 70 dB(A)
ENVIRONMENT	0 to 95% RH non-condensing, max. altitude 1000 m / 3281 ft. without derating
OPERATING TEMPERATURE	0 to 50° C, up to 40° C without derating 32 to 122 °F, up to 104 °F without derating
DIMENSIONS (W × H × D)	227 × 810 × 326 mm 8.9 x 31.8 x 12.8 inch
WEIGHT	38 kg / 84 lbs
CABINET COLOR	Cabinet RAL 7035 (light grey), base RAL 5017 (traffic blue)
PROTECTION CLASS	IP20, IP21 according to IEC 60529, other ratings upon request
ELECTROMAGNETIC COMPATIBILITY	EN 55011 class B
ENVIRONMENTAL CONDITIONS	Chemical 3C2, Mechanical 3S2
CERTIFICATES	CE

Comsys AB does not assume any responsibility for use of any product or method described and also reserves the right to make changes at any time without prior notice in order to improve design and supply the best possible products.

– COMSYS –
comsys.se/adf

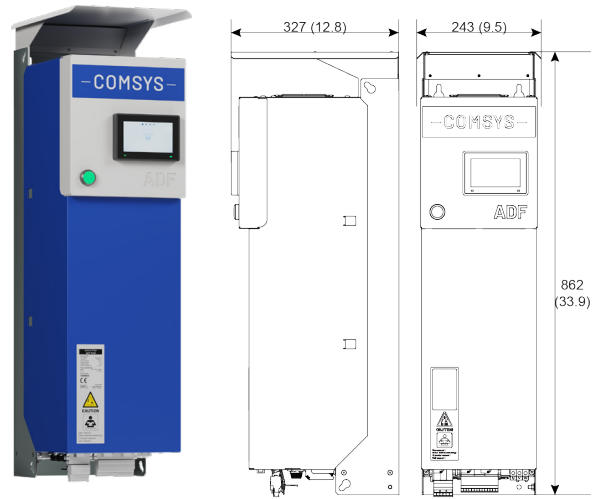


DIMENSIONS & CONNECTION

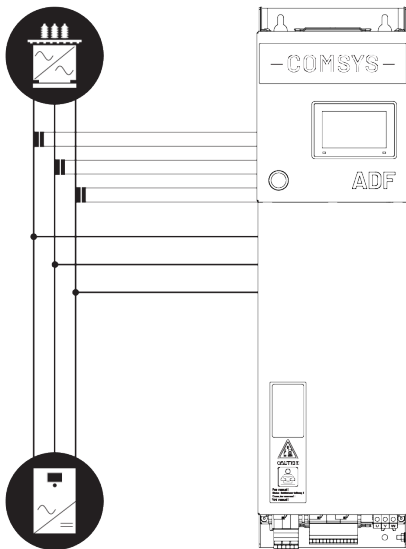
mm (inches) IP20



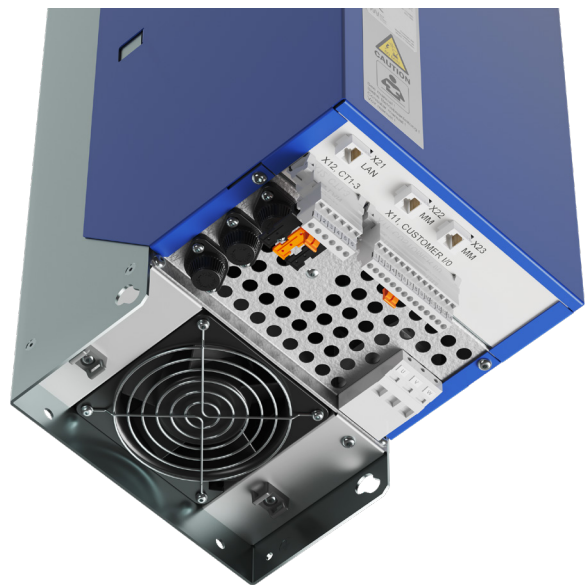
mm (inches) IP21



Example connection diagram



Customer interface



– COMSYS –
comsys.se/adf



THE ADF PRODUCT RANGE

The ADF product range consists of versatile tools to address your unique power quality challenges in a way that is cost efficient.

For extreme resonances and interharmonics, to a powerful solution for a compact space, each ADF product targets different power levels in commercial and industrial applications in the low and medium voltage segments.



— COMSYS —
comsys.se/adf

