

Let's make full use of e-DPP / ETAP-DPP.

How to use “Site Area” (Topic #009)

When **e-DPP** does the Data Filling (automatic data filling), uniform data filling will sometimes cause inconvenience. Especially data items with regard to motor construction and cable pulling method will differ from time to time based upon categories for motor installation location. For example, applying the pressurized explosion proof motors in the H2 atmospheric area and applying underground cable inside the process unit area, etc. These conditions are specified in the purchasers' specification most of the time.

e-DPP provide Data Filling feature by such rule base. In addition, when Motor Library characteristic data are automatically filled by the Data Filling, Motor Enclosure will be one of reference keys so that data accuracy after Data Filling based on “Rule Base” can be improved drastically.

Following 3 steps are operated to use these features.

- ① Register “Site Area” information in the “Default” Menu.
- ② Enter “Site Area (Field name is SiteArea)” data into each motor in the Motor Schedule.
- ③ Execute Data Filling (automatic data filling) for induction motors.

Below is the display after “Site Area” information ① is registered.

現場エリア ID	危険場所階級	爆発保護	防爆階級	爆発温度	外被構造	保護等級	絶縁階級	温度上昇	防蝕	騒音 (dBA)	ケーブル布設
OFFSITE	Zone 2	Type N	II	T3 (200)	TENV	IP55	F (155deg.C)	B (80deg.C)	By Paint	85 .	U/G Bur
ONSITE	Zone 2	Exd	IIB	T3 (200)	TEFC	IP55	F (155deg.C)	B (80deg.C)	By Paint	85 .	U/G Bur
PIER	Zone 1	Exp	IIC	T3 (200)	TEFC	IP66	B (130deg.C)	B (80deg.C)	By Paint	85 .	A/G Cor
UTILITY	Non Class	Type N	II	T3 (200)	TENV	IP44	H (180deg.C)	H (125deg.C)	By Paint	80 .	A/G Tra

Using “External Data Import” is useful, although data entry for “Site Area” ② is possible from the Motor Schedule Edit display.

Field Name	Data Type	Length
DegreeProtection	Text	20
Rotation	Text	5
InsulationClass	Text	10
ProcessUnitID	Text	20
SiteArea	Text	20
CableLength	Double	16
UserText_0	Text	50
UserText_1	Text	50
UserNum_0	Double	16

7	1000	ONSITE	185.00000
8	1000	ONSITE	87.00000
9	2600	ONSITE	31.00000
10	2600	ONSITE	298.00000
11	2400	UTIL	55.00000
12	2400	UTIL	57.00000

When above operation are complete, execute Data Filling ③. Different Data based on the categories for motor installation location will be entered. “Site Area” information in the “Default” menu will be ignored for motors which data are not entered in the “Site Area” of the Motor Schedule. When enclosures for motors are not entered, “TEFC” will be a default reference key for Library.

The next issue will discuss “How to use Revision Control”.

If you have problems or requests and need solutions, please feel free to contact;
Eltechs Engineering & Consulting Mr. Kameda E-Mail etap@eltechs.co.jp