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|  | Приложение №1 |
| к аттестату аккредитации |
| № BY/112 2.1927 |
| от 04.07.2001 |
| на бланке № \_\_\_\_  на 5 листах |
| редакция 06 |

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| **ОБЛАСТЬ АККРЕДИТАЦИИ** от18 апреля 2025 года | |
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| лаборатории электротехнических испытаний службы электроснабжения  Коммунального транспортного унитарного предприятия  "Минский метрополитен"   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | № п/п | Наименование  объекта | | | | | | | Код | | | | Наименование  характеристики  (показатель,  параметры) | | | Обозначение  документа, устанавливающего требования к объекту | | | | | Обозначение документа, устанавливающего метод  исследований (испытаний) и измерений, в том числе правила отбора образцов | | 1 | 2 | | | | | | | 3 | | | | 4 | | | 5 | | | | | 6 | | **ул.Воронянского 48, Здание эксплуатационного персонала, к. 203, 223, 239, 220007, г.Минск** | | | | | | | | | | | | | | | | | | | | | | 1.1  \*\*\* | Аппараты, сило-вые и осветительные сети напряжением до 1000 В | | | | | | | 27.12/22.000  27.32/22.000  27.90/22.000 | | | | Сопротивление изоляции | | | ТКП 339-2022 п.4.4.26.1  ТКП 181-2023  п.Б.27.1 | | | | | АМИ.МС 0030-2023 | | 2.1  \*\*\* | Силовые кабельные линии  напряжением  до 10 кВ | | | | | | | 27.32/22.000 | | | | Сопротивление изоляции | | | ТКП 181-2023 п.Б.30.1  ТКП 339-2022 п.4.4.29.2 | | | | | АМИ.МС 0030-2023 | | 2.2  \*\*\* | 27.32/29.113 | | | | Испытание изоляции повышенным напряжением выпрямленного тока с измерением тока утечки | | | ТКП 181-2023 п.Б.30.2  ТКП 339-2022 п.4.4.29.3 | | | | | АМИ.МС 0029-2023 | | 3.1  \*\*\* | Силовые трансформаторы | | | | | | | 27.11/22.000 | | | | Сопротивление изоляции | | | ТКП 181-2023  п.Б.8.3  ТКП 339-2022  п.4.4.6.2 | | | | | ГОСТ 3484.3-88 п.4.1  АМИ.МС 0030-2023 | | 1 | | | 2 | | | | 3 | | | 4 | | | | | | 5 | | | 6 | | | 3.2  \*\*\* | | | Силовые трансформаторы | | | | 27.11/29.113 | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | | | ТКП 181-2023 п.Б.8.5  ТКП 339-2022 п.4.4.6.3 | | | ГОСТ 22756-77 п.1.5  АМИ.МС 0029-2023 | | | 3.3  \*\*\* | | | 27.11/22.000 | | | Сопротивление обмоток постоянному току | | | | | | ТКП 181-2023  п.Б.8.6  ТКП 339-2022 п.4.4.6.4 | | | ГОСТ 3484.1-88 п.4  АМИ.МС 0028-2023 | | | 4.1  \*\*\* | | | Масляные и электромагнитные выключатели | | | | 27.12/29.113 | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | | | ТКП 181-2023  п.Б.11.3, п.Б.34  ТКП 339-2022 п.4.4.9.4 | | | АМИ.МС 0029-2023 | | | 4.2  \*\*\* | | | 27.12/22.000 | | | Сопротивление изоляции | | | | | | ТКП 181-2023  п.Б.11.1, п.Б.34  ТКП 339-2022 п.4.4.9.1 | | | АМИ.МС 0030-2023 | | | 5.1  \*\*\* | | | Выключатели нагрузки | | | | 27.12/29.113 | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | | | ТКП 181-2023  п.Б.12.2, п.Б.34  ТКП 339-2022 п.4.4.13.2 | | | АМИ.МС 0029-2023 | | | 5.2  \*\*\* | | | 27.12/22.000 | | | Сопротивление изоляции | | | | | | ТКП 181-2023  п.Б.12.1,п.Б.34  ТКП 339-2022 п.4.4.13.1 | | | АМИ.МС 0030-2023 | | | 6.1  \*\*\* | | | Вакуумные выключатели | | | | 27.12/29.113 | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | | | ТКП 181-2023  п.Б.14.2, п.Б.34  ТКП 339-2022 п.4.4.12.2 | | | АМИ.МС 0029-2023 | | | 6.2  \*\*\* | | | 27.12/22.000 | | | Сопротивление изоляции | | | | | | ТКП 181-2023  п.Б.14.1, п.Б.34  ТКП 339-2022 п.4.4.12.1 | | | АМИ.МС 0030-2023 | | | 7.1  \*\*\* | | | Комплектные распределительные устройства, сборные и соединительные шины | | | | 27.90/29.113 | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | | | ТКП 181-2023  п.Б.18.2,  п.Б.34  ТКП 339-2022 п.4.4.17.2 | | | АМИ.МС 0029-2023 | | | 7.2  \*\*\* | | | 27.90/22.000 | | | Сопротивление изоляции | | | | | | ТКП 181-2023  п.Б.18.1, п.Б.34  ТКП 339-2022 п.4.4.17.1 | | | АМИ.МС 0030-2023 | | | 1 | | 2 | | | | 3 | | | | 4 | | | | | | 5 | | | 6 | | | 8.1  \*\*\* | | Заземляющие  устройства | | | | 27.90/22.000 | | | | Сопротивление заземляющих устройств | | | | | | ТКП 181-2023 п.Б.29.4  ТКП 339-2022 п.4.4.28.6  СН  4.04.03-2020  п.п.10.7, 10.8 | | | АМИ.МС 0027-2023 | | | 8.2  \*\*\* | | 27.90/22.000 | | | | | Проверка соединений заземлителей с заземляемыми элементами с измерением переходного сопротивления контактных соединений | | | | | ТКП 181-2023 п.Б.29.2  ТКП 339-2022 п.4.4.28.2 | | | АМИ.МС 0033-2023 | | | 8.3  \*\*\* | | 27.90/ 22.000 | | | | | Проверка цепи «фаза-нуль» (цепи зануления) в электроустановках до 1000 В с глухим заземлением нейтрали:  - измерение полного сопротивления цепи «фаза-нуль»;  - определение времени отключения аппарата защиты по время-токовой характеристике;  - измерение полного сопротивления защитного проводника между распределительным щитом и точкой присоединения защитного проводника к основной системе уравнивания потенциалов | | | | | ТКП 181-2023 п.Б.29.8  ТКП 339-2022 п.4.4.28.5  ГОСТ  30331.3-95 | | | АМИ.МС 0031-2023 | | | **Электродепо "Могилевское", 223060, п/о Тростенец, Минский район, Минская область,**  **к.** **229, 246, 247, 248** | | | | | | | | | | | | | | | | | | | | | | 9.2\* | | Перчатки диэлектрические | | | | 22.19/29.113 | | | | | Испытание изоляции повышенным напряжением частотой 50 Гц c измерением тока утечки | | | | | Эксплуатационная документация  Фактические значения | | | АМИ.МС 0032-2023 | | | 1 | | | | 2 | | | | | 3 | | | | 4 | | | | 5 | | 6 | | | 10.1\* | | | | | Указатель напряжения до 1000 В | | | | 26.51/22.000 | | | | Напряжение индикации | | | | Эксплуатационная документация  Фактические значения | | АМИ.МС 0032-2023 | | | 10.2\* | | | | | 26.51/29.113 | | | | Проверка схемы повышенным испытательным напряжением | | | | Эксплуатационная документация  ТКП 290-2023  п.10.5.9.4  Приложение Ж  таблица Ж1 | | АМИ.МС 0032-2023 | | | 10.3\* | | | | | Измерение тока, протекающего через указатель при наибольшем рабочем напряжении | | | | Эксплуатационная документация  ТКП 290-2023  п.10.5.9.4  Приложение Ж  таблица Ж1 | | АМИ.МС 0032-2023 | | | 10.4\* | | | | | Испытание изоляции повышенным напряжением | | | | Эксплуатационная документация  ТКП 290-2023  п.10.5.9.4  Приложение Ж  таблица Ж1 | | АМИ.МС 0032-2023 | | | 11.2\* | | | | | Обувь специальная диэлектрическая | | | | 22.19/29.113 | | | | Испытание изоляции повышенным напряжением частотой 50 Гц c измерением тока утечки | | | | Эксплуатационная документация  Фактические значения | | АМИ.МС 0032-2023 | | | 12.2\* | | | | | Ручной инструмент для работы под напряжением | | | | 25.73/29.113 | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.10.12.2  Приложение Ж  таблица Ж1 | | АМИ.МС 0032-2023 | | | 13.2\* | | | | | Штанги электроизолирующие | | | | 26.51/29.113 | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.10.2.2  Приложение Ж  таблица Ж1 | | АМИ.МС 0032-2023 | | | 14.2\* | | | | | Клещи электро-изолирующие | | | | 26.51/29.113 | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.10.3.2  Приложение Ж  таблица Ж1 | | АМИ.МС 0032-2023 | | | 1 | | | | 2 | | | | 3 | | | | | | 4 | | | | 5 | 6 | | | 15.2\* | | | | | Клещи электро-измерительные | | | 26.51/29.113 | | | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.10.4.2  Приложение Ж  таблица Ж1 | АМИ.МС 0032-2023 | | | 16.2\* | | | | | Указатели напряжения выше  1000 В | | | 26.51/29.113 | | | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.10.5.3  Приложение Ж  таблица Ж1 | АМИ.МС 0032-2023 | | | 16.3\* | | | | | 26.51/22.000 | | | | | | Напряжение индикации | | | | ТКП 290-2023  п.10.5.3  Приложение Ж  таблица Ж1 | АМИ.МС 0032-2023 | | | 17.2\* | | | | | Устройство для прокола и резки кабеля | | | 25.73/29.113 | | | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.12.2.2  Приложение Ж  таблица Ж1 | АМИ.МС 0032-2023 | | | 18.1\* | | | | | Накладки электроизолирующие | | | 22.19./29.113 | | | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | ТКП 290-2023  п.10.14.2  Приложение Ж  таблица Ж1 | АМИ.МС 0032-2023 | | | 19.1  \*\* | | | | | Приставные электроизолирующие лестницы и стремянки | | | 26.51/29.113 | | | | | | Испытание изоляции повышенным напряжением частотой 50 Гц | | | | Эксплуатационная документация  Фактические значения | АМИ.МС 0032-2023 | | |

**Примечание:**

\* – деятельность осуществляется непосредственно в ООС;  
 \*\* – деятельность осуществляется непосредственно в ООС и за пределами ООС;  
 \*\*\* – деятельность осуществляется за пределами ООС.

Руководитель органа

по аккредитации

Республики Беларусь –

директор государственного

предприятия «БГЦА» Т.А.Николаева